

ターゲット探索・選択性評価・最適化の切り札

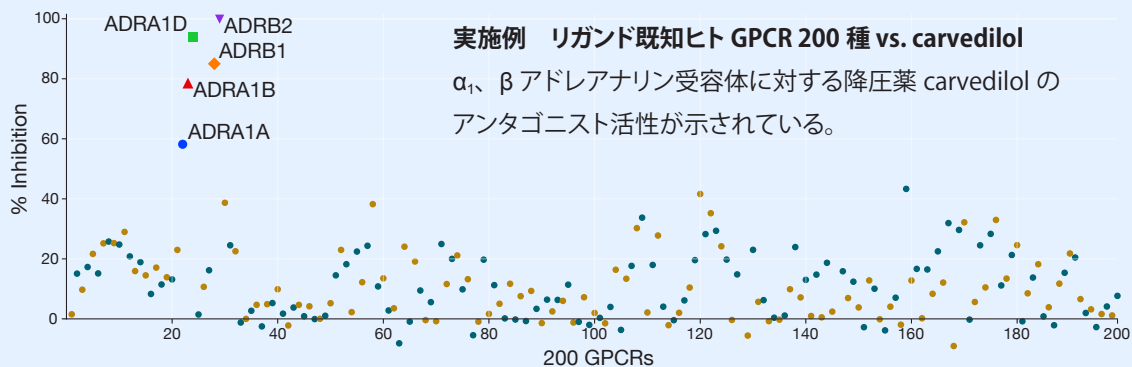
高感度

# 全ヒト GPCR パネルスクリーニング・ プロファイリング試験サービス

タンソーバイオサイエンス独自の革新的 GPCR 活性アッセイ技術（国際特許出願中）を用い、化合物のヒト GPCR 活性を高感度・網羅的に評価します。

## 網羅的 GPCR パネル

リガンド既知受容体 202 種、オーファン受容体 95 種



## フォーカスト GPCR パネル FlexPanel48

選択自在な GPCR 48 種・低価格・短納期

**FlexPanel48 疾患領域パネル** (13 領域× 48 ヒト受容体 / 領域)

免疫・感染症 がん 血液 内分泌・代謝 精神疾患 神経 眼科  
 循環器 呼吸器 消化器 皮膚 筋骨格系 泌尿器・生殖

- ・ DisGeNET の遺伝子疾患関連情報を基に選択した、各領域に関連性が高い 48 受容体
- ・ 疾患領域パネルをカスタマイズして独自のパネルを作ることもできます

**FlexPanel48 カスタムパネル** (48 ヒト受容体)

- ・ リガンド既知受容体 202 種、オーファン受容体 95 種から任意の 48 種を自在に選択可能
- ・ アゴニストモード、アンタゴニストモードから選択 オーファン受容体はアゴニストモードのみ
- ・ 同一パネル内のアゴニストモード、アンタゴニストモード混在にも柔軟に対応



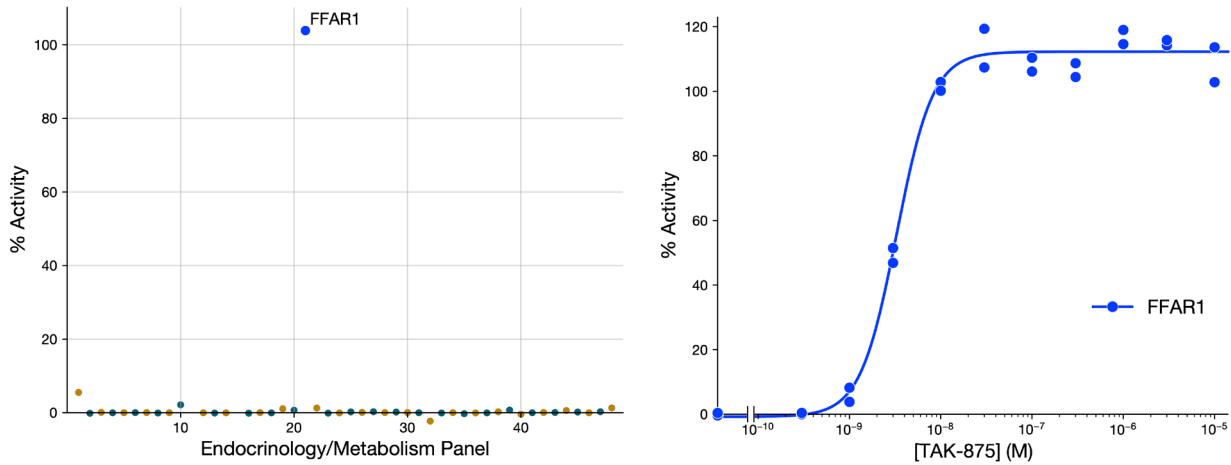
パネル対応受容体一覧

<https://www.tansobio.com/panels>

# FlexPanel48 疾患領域パネル施行例

## アゴニストパネル

FlexPanel48 内分泌・代謝パネルを用いた糖尿病開発薬 TAK-875 のアゴニストモードアッセイ。

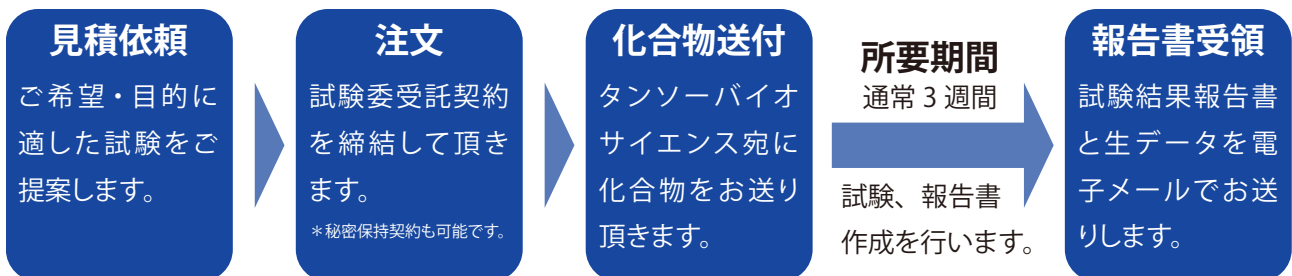


### FlexPanel48 内分泌・代謝パネル受容体一覧

1 HTR2A	11 CALCR	21 FFAR1	31 KISS1R	41 PTH1R
2 HTR2C	12 CASR	22 GHSR	32 S1PR2	42 PROKR2
3 CHRM2	13 CNR1	23 GHRHR	33 MC1R	43 PTGER4
4 CHRM3	14 CCR5	24 GIPR	34 MC2R	44 SSTR1
5 ADRA1A	15 CXCR4	25 GLP1R	35 MC4R	45 SSTR2
6 ADRB1	16 CCKAR	26 GCGR	36 MTNR1B	46 TACR3
7 ADRB2	17 CCKBR	27 FSHR	37 NPY1R	47 TRHR
8 ADRB3	18 DRD2	28 LHCGR	38 NPY2R	48 AVPR2
9 AGTR1	19 EDNRA	29 TSHR	39 NPY5R	
10 BRS3	20 EDNRB	30 GNRHR	40 OPRM1	

## 試験ご依頼の流れ

まずはメールにてお問い合わせ下さい。✉ [info@tansobio.co.jp](mailto:info@tansobio.co.jp)



## FlexPanel48 疾患領域パネル受容体一覧

### 免疫・感染症

1	CHRM2	11	CASR	21	CXCR1	31	GPR183	41	PTGDR2
2	CHRM3	12	CNR1	22	CXCR2	32	TSHR	42	PTGER2
3	ADORA2A	13	CCR1	23	CXCR3	33	HRH1	43	PTGER4
4	ADORA2B	14	CCR2	24	CXCR4	34	LTB4R	44	F2R
5	ADRA1A	15	CCR4	25	CXCR5	35	CYSLTR1	45	F2RL1
6	ADRA2B	16	CCR5	26	CXCR6	36	CYSLTR2	46	SSTR4
7	ADRB2	17	CCR6	27	CX3CR1	37	PTAFR	47	TACR1
8	AGTR1	18	CCR7	28	C5AR1	38	MC2R	48	ADCYAP1R1
9	BRS3	19	CCR8	29	EDNRA	39	OPRM1		
10	CALCR	20	CCR9	30	EDNRB	40	P2RY12		

### がん

1	ADRA1A	11	CCR2	21	CCKBR	31	GNRHR	41	PTH1R
2	ADRA2B	12	CCR4	22	CRHR1	32	HRH4	42	PTGER1
3	ADRB2	13	CCR5	23	DRD2	33	KISS1R	43	PTGER4
4	AGTR1	14	CCR6	24	EDNRA	34	CYSLTR2	44	F2R
5	BRS3	15	CCR7	25	EDNRB	35	LPAR1	45	F2RL1
6	GRPR	16	CXCR2	26	GHSR	36	LPAR3	46	SSTR1
7	NMBR	17	CXCR3	27	GLP1R	37	S1PR1	47	SSTR2
8	CALCR	18	CXCR4	28	FSHR	38	MC1R	48	SSTR4
9	CASR	19	CXCR6	29	LHCGR	39	GRM1		
10	CNR1	20	CCKAR	30	TSHR	40	NTSR1		

### 血液

1	CHRM3	11	CCR2	21	CXCR4	31	PTAFR	41	PTGER4
2	ADRA1A	12	CCR4	22	CXCR5	32	S1PR1	42	F2R
3	ADRA2B	13	CCR5	23	CXCR6	33	S1PR2	43	F2RL3
4	ADRB2	14	CCR6	24	CX3CR1	34	NPY5R	44	RXFP1
5	AGTR1	15	CCR7	25	C5AR1	35	OPRK1	45	SSTR4
6	BRS3	16	CCR8	26	EDNRA	36	OPRM1	46	TACR1
7	CALCR	17	CCR9	27	EDNRB	37	P2RY12	47	ADCYAP1R1
8	CASR	18	CCR10	28	GPR183	38	PTH1R	48	VIPR1
9	CNR1	19	CXCR2	29	GLP1R	39	PTGDR		
10	CCR1	20	CXCR3	30	CYSLTR1	40	PTGDR2		

### 内分泌・代謝

1	HTR2A	11	CALCR	21	FFAR1	31	KISS1R	41	PTH1R
2	HTR2C	12	CASR	22	GHSR	32	S1PR2	42	PROKR2
3	CHRM2	13	CNR1	23	GHRHR	33	MC1R	43	PTGER4
4	CHRM3	14	CCR5	24	GIPR	34	MC2R	44	SSTR1
5	ADRA1A	15	CXCR4	25	GLP1R	35	MC4R	45	SSTR2
6	ADRB1	16	CCKAR	26	GCGR	36	MTNR1B	46	TACR3
7	ADRB2	17	CCKBR	27	FSHR	37	NPY1R	47	TRHR
8	ADRB3	18	DRD2	28	LHCGR	38	NPY2R	48	AVPR2
9	AGTR1	19	EDNRA	29	TSHR	39	NPY5R		
10	BRS3	20	EDNRB	30	GNRHR	40	OPRM1		

### 精神疾患

1	HTR1A	11	CHRM4	21	CCKBR	31	HRH1	41	OPRK1
2	HTR1B	12	CHRM5	22	CRHR1	32	HRH2	42	OPRM1
3	HTR2A	13	ADORA2A	23	CRHR2	33	HRH3	43	OPRL1
4	HTR2C	14	ADRA2A	24	DRD1	34	GRM2	44	HCRTR1
5	HTR5A	15	ADRA2B	25	DRD2	35	GRM8	45	TACR1
6	HTR6	16	ADRB1	26	DRD3	36	NPSR1	46	AVPR1A
7	HTR7	17	ADRB2	27	DRD4	37	NPY1R	47	OXTR
8	CHRM1	18	GRPR	28	DRD5	38	NPY2R	48	ADCYAP1R1
9	CHRM2	19	CNR1	29	EDNRA	39	NTSR1		
10	CHRM3	20	CCKAR	30	GABBR1/2	40	OPRD1		

### 神経

1	HTR1A	11	ADRA1B	21	CXCR4	31	GABBR1/2	41	PTGER1
2	HTR1B	12	ADRA2B	22	CX3CR1	32	HRH3	42	SSTR1
3	HTR2A	13	ADRB2	23	CCKBR	33	KISS1R	43	SSTR2
4	HTR2C	14	CNR1	24	CRHR1	34	MC1R	44	SSTR3
5	HTR7	15	CCR1	25	DRD1	35	GRM1	45	SSTR4
6	CHRM1	16	CCR2	26	DRD2	36	NPY1R	46	SSTR5
7	CHRM2	17	CCR5	27	DRD3	37	NPY2R	47	TACR1
8	CHRM4	18	CCR7	28	DRD4	38	OPRK1	48	TACR3
9	ADORA1	19	CCR9	29	EDNRA	39	OPRM1		
10	ADORA2A	20	CXCR2	30	EDNRB	40	PROKR2		

### 眼科

1	CHRM3	11	CCR1	21	CX3CR1	31	CYSLTR2	41	PROKR2
2	ADORA2A	12	CCR2	22	DRD5	32	OXER1	42	PTGER4
3	ADRA1A	13	CCR5	23	EDNRA	33	PTAFR	43	PTGFR
4	ADRA2B	14	CCR6	24	EDNRB	34	LPAR3	44	F2RL1
5	ADRB2	15	CCR7	25	FFAR4	35	LPAR6	45	SSTR4
6	AGTR1	16	CXCR2	26	GHSR	36	MC1R	46	SUCNR1
7	BRS3	17	CXCR3	27	GLP1R	37	MTNR1A	47	TACR3
8	CALCR	18	CXCR4	28	TSHR	38	GRM1	48	VIPR2
9	CASR	19	CXCR5	29	HCAR2	39	GRM6		
10	CNR1	20	CXCR6	30	KISS1R	40	PTH1R		

### 循環器

1	HTR1B	11	ADRA2C	21	CCR2	31	EDNRA	41	P2RY1
2	HTR2B	12	ADRB1	22	CCR5	32	EDNRB	42	P2RY12
3	HTR4	13	ADRB2	23	CCR6	33	GHSR	43	PTGER4
4	CHRM3	14	ADRB3	24	CXCR2	34	GLP1R	44	F2R
5	ADORA1	15	AGTR1	25	CXCR3	35	HRH1	45	TACR1
6	ADORA2A	16	APLNR	26	CXCR4	36	HRH3	46	UTS2R
7	ADRA1A	17	CALCR	27	CXCR6	37	PTAFR	47	AVPR1A
8	ADRA1B	18	CASR	28	CX3CR1	38	OPRD1	48	AVPR2
9	ADRA2A	19	CNR1	29	CRHR2	39	OPRK1		
10	ADRA2B	20	CCR1	30	DRD2	40	OPRM1		

### 呼吸器

1	HTR2A	11	CALCR	21	CXCR3	31	CYSLTR1	41	PTGIR
2	HTR2B	12	CASR	22	CXCR4	32	CYSLTR2	42	F2R
3	CHRM3	13	CCR1	23	CXCR6	33	PTAFR	43	F2RL1
4	ADORA1	14	CCR2	24	CX3CR1	34	NPSR1	44	SSTR4
5	ADORA2A	15	CCR4	25	C3AR1	35	OPRM1	45	TACR1
6	ADRA1A	16	CCR5	26	C5AR1	36	P2RY12	46	TACR2
7	ADRA2B	17	CCR6	27	EDNRA	37	PTH1R	47	OXTR
8	ADRB2	18	CCR8	28	EDNRB	38	PTGDR2	48	ADCYAP1R1
9	AGTR1	19	CCR9	29	TSHR	39	PTGER2		
10	BRS3	20	CXCR2	30	HRH1	40	PTGFR		

### 消化器

1	HTR1A	11	CASR	21	CXCR3	31	FPR2	41	F2R
2	CHRM3	12	CNR1	22	CXCR4	32	GHSR	42	F2RL1
3	ADORA3	13	CCR1	23	CXCR5	33	GLP1R	43	F2RL3
4	ADRA1A	14	CCR2	24	CXCR6	34	HRH2	44	SSTR1
5	ADRA2B	15	CCR4	25	CX3CR1	35	HRH4	45	SSTR2
6	ADRB1	16	CCR5	26	CCKAR	36	KISS1R	46	SSTR3
7	ADRB2	17	CCR6	27	CCKBR	37	LTB4R	47	TACR1
8	AGTR1	18	CCR7	28	CRHR2	38	PTAFR	48	VIPR1
9	GPBAR1	19	CXCR1	29	EDNRA	39	LPAR1		
10	CALCR	20	CXCR2	30	EDNRB	40	OPRM1		

### 皮膚科

1	CHRM3	11	CNR1	21	CXCR5	31	HRH4	41	PROKR2
2	ADORA2A	12	CCR1	22	CXCR6	32	HCAR2	42	PTGER1
3	ADRA1A	13	CCR2	23	CX3CR1	33	HCAR3	43	PTGER4
4	ADRA2A	14	CCR4	24	CRHR1	34	KISS1R	44	F2R
5	ADRA2B	15	CCR5	25	DRD2	35	LPAR1	45	F2RL1
6	ADRB2	16	CCR6	26	EDNRA	36	LPAR6	46	SSTR4
7	AGTR1	17	CCR7	27	EDNRB	37	MC1R	47	TACR1
8	BRS3	18	CXCR2	28	LHCGR	38	GRM1	48	UTS2R
9	NMBR	19	CXCR3	29	TSHR	39	OPRM1		
10	CASR	20	CXCR4	30	HRH1	40	P2RY12		

### 筋骨格系

1	HTR7	11	CCR2	21	C5AR1	31	TSHR	41	PTGER4
2	CHRM3	12	CCR5	22	CRHR1	32	GNRHR	42	F2R
3	ADORA2A	13	CCR6	23	DRD2	33	KISS1R	43	F2RL1
4	ADRA2A	14	CCR7	24	EDNRA	34	LPAR1	44	SSTR4
5	ADRB2	15	CXCR2	25	EDNRB	35	MC1R	45	TACR1
6	AGTR1	16	CXCR3	26	GABBR1/2	36	MC2R	46	TACR3
7	CALCR	17	CXCR4	27	GHSR	37	GRM1	47	TRHR
8	CASR	18	CXCR5	28	GHRHR	38	PTH1R	48	AVPR2
9	CNR1	19	CXCR6	29	GLP1R	39	PTH2R		
10	CCR1	20	CX3CR1	30	FSHR	40	PROKR2		

**泌尿器・生殖**

1	CHRM2	11	CNR1	21	DRD1	31	PTAFR	41	F2R
2	CHRM3	12	CMKLR1	22	DRD2	32	LPAR1	42	RXFP1
3	ADRA1A	13	CCR2	23	EDNRA	33	MC2R	43	RXFP2
4	ADRA2B	14	CCR5	24	EDNRB	34	MTNR1B	44	SSTR4
5	ADRB2	15	CCR6	25	GLP1R	35	PTH1R	45	TACR3
6	AGTR1	16	CXCR2	26	FSHR	36	PROKR2	46	UTS2R
7	BRS3	17	CXCR3	27	LHCGR	37	PTGER1	47	AVPR1A
8	GRPR	18	CXCR4	28	TSHR	38	PTGER2	48	AVPR2
9	CALCR	19	CXCR6	29	GNRHR	39	PTGER4		
10	CASR	20	CX3CR1	30	KISS1R	40	PTGFR		

## パネル対応全受容体一覧

オーファン受容体 (Family: Orphan receptors) のパネルアッセイはアゴニストモードのみ、その他受容体のアッセイはアゴニストモード、アンタゴニストモードの2つ

Symbol	HGNC name	Family
HTR1A	5-hydroxytryptamine receptor 1A	5-Hydroxytryptamine receptors
HTR1B	5-hydroxytryptamine receptor 1B	5-Hydroxytryptamine receptors
HTR1D	5-hydroxytryptamine receptor 1D	5-Hydroxytryptamine receptors
HTR1E	5-hydroxytryptamine receptor 1E	5-Hydroxytryptamine receptors
HTR1F	5-hydroxytryptamine receptor 1F	5-Hydroxytryptamine receptors
HTR2A	5-hydroxytryptamine receptor 2A	5-Hydroxytryptamine receptors
HTR2B	5-hydroxytryptamine receptor 2B	5-Hydroxytryptamine receptors
HTR2C	5-hydroxytryptamine receptor 2C	5-Hydroxytryptamine receptors
HTR4	5-hydroxytryptamine receptor 4	5-Hydroxytryptamine receptors
HTR5A	5-hydroxytryptamine receptor 5A	5-Hydroxytryptamine receptors
HTR6	5-hydroxytryptamine receptor 6	5-Hydroxytryptamine receptors
HTR7	5-hydroxytryptamine receptor 7	5-Hydroxytryptamine receptors
CHRM1	cholinergic receptor muscarinic 1	Acetylcholine receptors (muscarinic)
CHRM2	cholinergic receptor muscarinic 2	Acetylcholine receptors (muscarinic)
CHRM3	cholinergic receptor muscarinic 3	Acetylcholine receptors (muscarinic)
CHRM4	cholinergic receptor muscarinic 4	Acetylcholine receptors (muscarinic)
CHRM5	cholinergic receptor muscarinic 5	Acetylcholine receptors (muscarinic)
ADORA1	adenosine A1 receptor	Adenosine receptors
ADORA2A	adenosine A2a receptor	Adenosine receptors
ADORA2B	adenosine A2b receptor	Adenosine receptors
ADORA3	adenosine A3 receptor	Adenosine receptors
ADRA1A	adrenoceptor alpha 1A	Adrenoceptors
ADRA1B	adrenoceptor alpha 1B	Adrenoceptors
ADRA1D	adrenoceptor alpha 1D	Adrenoceptors
ADRA2A	adrenoceptor alpha 2A	Adrenoceptors
ADRA2B	adrenoceptor alpha 2B	Adrenoceptors
ADRA2C	adrenoceptor alpha 2C	Adrenoceptors
ADRB1	adrenoceptor beta 1	Adrenoceptors
ADRB2	adrenoceptor beta 2	Adrenoceptors
ADRB3	adrenoceptor beta 3	Adrenoceptors
AGTR1	angiotensin II receptor type 1	Angiotensin receptors
APLNR	apelin receptor	Apelin receptor

<b>Symbol</b>	<b>HGNC name</b>	<b>Family</b>
GPBAR1	G protein-coupled bile acid receptor 1	Bile acid receptor
BRS3	bombesin receptor subtype 3	Bombesin receptors
GRPR	gastrin releasing peptide receptor	Bombesin receptors
NMBR	neuromedin B receptor	Bombesin receptors
CALCR	calcitonin receptor	Calcitonin receptors
CALCRL	calcitonin receptor like receptor	Calcitonin receptors
CASR	calcium sensing receptor	Calcium-sensing receptor
CNR1	cannabinoid receptor 1	Cannabinoid receptors
GPR55	G protein-coupled receptor 55	Cannabinoid receptors
GPR119	G protein-coupled receptor 119	Cannabinoid receptors
CMKLR1	chemerin chemokine-like receptor 1	Chemerin receptors
CCR1	C-C motif chemokine receptor 1	Chemokine receptors
CCR2	C-C motif chemokine receptor 2	Chemokine receptors
CCR4	C-C motif chemokine receptor 4	Chemokine receptors
CCR5	C-C motif chemokine receptor 5	Chemokine receptors
CCR6	C-C motif chemokine receptor 6	Chemokine receptors
CCR7	C-C motif chemokine receptor 7	Chemokine receptors
CCR8	C-C motif chemokine receptor 8	Chemokine receptors
CCR9	C-C motif chemokine receptor 9	Chemokine receptors
CCR10	C-C motif chemokine receptor 10	Chemokine receptors
CXCR1	C-X-C motif chemokine receptor 1	Chemokine receptors
CXCR2	C-X-C motif chemokine receptor 2	Chemokine receptors
CXCR3	C-X-C motif chemokine receptor 3	Chemokine receptors
CXCR4	C-X-C motif chemokine receptor 4	Chemokine receptors
CXCR5	C-X-C motif chemokine receptor 5	Chemokine receptors
CXCR6	C-X-C motif chemokine receptor 6	Chemokine receptors
XCR1	X-C motif chemokine receptor 1	Chemokine receptors
CX3CR1	C-X3-C motif chemokine receptor 1	Chemokine receptors
CCKAR	cholecystokinin A receptor	Cholecystokinin receptors
CCKBR	cholecystokinin B receptor	Cholecystokinin receptors
C3AR1	complement C3a receptor 1	Complement peptide receptors
C5AR1	complement C5a receptor 1	Complement peptide receptors
CRHR1	corticotropin releasing hormone receptor 1	Corticotropin-releasing factor receptors
CRHR2	corticotropin releasing hormone receptor 2	Corticotropin-releasing factor receptors
DRD1	dopamine receptor D1	Dopamine receptors



<b>Symbol</b>	<b>HGNC name</b>	<b>Family</b>
DRD2	dopamine receptor D2	Dopamine receptors
DRD3	dopamine receptor D3	Dopamine receptors
DRD4	dopamine receptor D4	Dopamine receptors
DRD5	dopamine receptor D5	Dopamine receptors
EDNRA	endothelin receptor type A	Endothelin receptors
EDNRB	endothelin receptor type B	Endothelin receptors
GPR183	G protein-coupled receptor 183	Steroid receptors
FPR1	formyl peptide receptor 1	Formylpeptide receptors
FPR2	formyl peptide receptor 2	Formylpeptide receptors
FPR3	formyl peptide receptor 3	Formylpeptide receptors
FFAR1	free fatty acid receptor 1	Free fatty acid receptors
FFAR3	free fatty acid receptor 3	Free fatty acid receptors
GPR84	G protein-coupled receptor 84	Free fatty acid receptors
FFAR4	free fatty acid receptor 4	Free fatty acid receptors
GABBR1	gamma-aminobutyric acid type B receptor subunit 1	GABA <sub>B</sub> receptors
GABBR2	gamma-aminobutyric acid type B receptor subunit 2	GABA <sub>B</sub> receptors
GALR1	galanin receptor 1	Galanin receptors
GALR2	galanin receptor 2	Galanin receptors
GHSR	growth hormone secretagogue receptor	Ghrelin receptor
GHRHR	growth hormone releasing hormone receptor	Glucagon receptor family
GIPR	gastric inhibitory polypeptide receptor	Glucagon receptor family
GLP1R	glucagon like peptide 1 receptor	Glucagon receptor family
GLP2R	glucagon like peptide 2 receptor	Glucagon receptor family
GCGR	glucagon receptor	Glucagon receptor family
SCTR	secretin receptor	Glucagon receptor family
FSHR	follicle stimulating hormone receptor	Glycoprotein hormone receptors
LHCGR	luteinizing hormone/choriogonadotropin receptor	Glycoprotein hormone receptors
TSHR	thyroid stimulating hormone receptor	Glycoprotein hormone receptors
GNRHR	gonadotropin releasing hormone receptor	Gonadotrophin-releasing hormone receptors
HRH1	histamine receptor H1	Histamine receptors
HRH2	histamine receptor H2	Histamine receptors
HRH3	histamine receptor H3	Histamine receptors
HRH4	histamine receptor H4	Histamine receptors
HCAR2	hydroxycarboxylic acid receptor 2	Hydroxycarboxylic acid receptors

<b>Symbol</b>	<b>HGNC name</b>	<b>Family</b>
HCAR3	hydroxycarboxylic acid receptor 3	Hydroxycarboxylic acid receptors
KISS1R	KISS1 receptor	Kisspeptin receptor
LTB4R	leukotriene B4 receptor	Leukotriene receptors
LTB4R2	leukotriene B4 receptor 2	Leukotriene receptors
CYSLTR1	cysteinyl leukotriene receptor 1	Leukotriene receptors
CYSLTR2	cysteinyl leukotriene receptor 2	Leukotriene receptors
OXER1	oxoeicosanoid receptor 1	Leukotriene receptors
PTAFR	platelet activating factor receptor	Platelet-activating factor receptor
LPAR1	lysophosphatidic acid receptor 1	Lysophospholipid (LPA) receptors
LPAR3	lysophosphatidic acid receptor 3	Lysophospholipid (LPA) receptors
LPAR4	lysophosphatidic acid receptor 4	Lysophospholipid (LPA) receptors
LPAR5	lysophosphatidic acid receptor 5	Lysophospholipid (LPA) receptors
LPAR6	lysophosphatidic acid receptor 6	Lysophospholipid (LPA) receptors
S1PR1	sphingosine-1-phosphate receptor 1	Lysophospholipid (S1P) receptors
S1PR2	sphingosine-1-phosphate receptor 2	Lysophospholipid (S1P) receptors
S1PR3	sphingosine-1-phosphate receptor 3	Lysophospholipid (S1P) receptors
S1PR5	sphingosine-1-phosphate receptor 5	Lysophospholipid (S1P) receptors
MCHR1	melanin concentrating hormone receptor 1	Melanin-concentrating hormone receptors
MCHR2	melanin concentrating hormone receptor 2	Melanin-concentrating hormone receptors
MC1R	melanocortin 1 receptor	Melanocortin receptors
MC2R	melanocortin 2 receptor	Melanocortin receptors
MC3R	melanocortin 3 receptor	Melanocortin receptors
MC4R	melanocortin 4 receptor	Melanocortin receptors
MC5R	melanocortin 5 receptor	Melanocortin receptors
MTNR1A	melatonin receptor 1A	Melatonin receptors
MTNR1B	melatonin receptor 1B	Melatonin receptors
GRM1	glutamate metabotropic receptor 1	Metabotropic glutamate receptors
GRM2	glutamate metabotropic receptor 2	Metabotropic glutamate receptors
GRM4	glutamate metabotropic receptor 4	Metabotropic glutamate receptors
GRM6	glutamate metabotropic receptor 6	Metabotropic glutamate receptors
GRM8	glutamate metabotropic receptor 8	Metabotropic glutamate receptors
MLNR	motilin receptor	Motilin receptor
NMUR1	neuromedin U receptor 1	Neuromedin U receptors

<b>Symbol</b>	<b>HGNC name</b>	<b>Family</b>
NMUR2	neuromedin U receptor 2	Neuromedin U receptors
NPFFR1	neuropeptide FF receptor 1	Neuropeptide FF/neuropeptide AF receptors
NPFFR2	neuropeptide FF receptor 2	Neuropeptide FF/neuropeptide AF receptors
NPSR1	neuropeptide S receptor 1	Neuropeptide S receptor
NPBWR1	neuropeptides B and W receptor 1	Neuropeptide W/neuropeptide B receptors
NPBWR2	neuropeptides B and W receptor 2	Neuropeptide W/neuropeptide B receptors
NPY1R	neuropeptide Y receptor Y1	Neuropeptide Y receptors
NPY2R	neuropeptide Y receptor Y2	Neuropeptide Y receptors
NPY4R	neuropeptide Y receptor Y4	Neuropeptide Y receptors
NPY5R	neuropeptide Y receptor Y5	Neuropeptide Y receptors
NTSR1	neurotensin receptor 1	Neurotensin receptors
NTSR2	neurotensin receptor 2	Neurotensin receptors
OPRD1	opioid receptor delta 1	Opioid receptors
OPRK1	opioid receptor kappa 1	Opioid receptors
OPRM1	opioid receptor mu 1	Opioid receptors
OPRL1	opioid related nociceptin receptor 1	Opioid receptors
HCRTR1	hypocretin receptor 1	Orexin receptors
HCRTR2	hypocretin receptor 2	Orexin receptors
OXGR1	oxoglutarate receptor 1	Oxoglutarate receptors
P2RY1	purinergic receptor P2Y1	P2Y receptors
P2RY2	purinergic receptor P2Y2	P2Y receptors
P2RY4	pyrimidinergic receptor P2Y4	P2Y receptors
P2RY6	pyrimidinergic receptor P2Y6	P2Y receptors
P2RY11	purinergic receptor P2Y11	P2Y receptors
P2RY12	purinergic receptor P2Y12	P2Y receptors
P2RY13	purinergic receptor P2Y13	P2Y receptors
P2RY14	purinergic receptor P2Y14	P2Y receptors
P2RY10	P2Y receptor family member 10	P2Y receptors
PTH1R	parathyroid hormone 1 receptor	Parathyroid hormone receptors
PTH2R	parathyroid hormone 2 receptor	Parathyroid hormone receptors
PROKR1	prokineticin receptor 1	Prokineticin receptors

<b>Symbol</b>	<b>HGNC name</b>	<b>Family</b>
PROKR2	prokineticin receptor 2	Prokineticin receptors
PRLHR	prolactin releasing hormone receptor	Prolactin-releasing peptide receptor
PTGDR	prostaglandin D2 receptor	Prostanoid receptors
PTGDR2	prostaglandin D2 receptor 2	Prostanoid receptors
PTGER1	prostaglandin E receptor 1	Prostanoid receptors
PTGER2	prostaglandin E receptor 2	Prostanoid receptors
PTGER4	prostaglandin E receptor 4	Prostanoid receptors
PTGFR	prostaglandin F receptor	Prostanoid receptors
PTGIR	prostaglandin I2 receptor	Prostanoid receptors
F2R	coagulation factor II thrombin receptor	Proteinase-activated receptors
F2RL1	F2R like trypsin receptor 1	Proteinase-activated receptors
F2RL2	coagulation factor II thrombin receptor like 2	Proteinase-activated receptors
F2RL3	F2R like thrombin or trypsin receptor 3	Proteinase-activated receptors
QRFP	pyroglutamylated RFamide peptide receptor	QRFP receptor
RXFP1	relaxin family peptide receptor 1	Relaxin family peptide receptors
RXFP2	relaxin family peptide receptor 2	Relaxin family peptide receptors
RXFP3	relaxin family peptide receptor 3	Relaxin family peptide receptors
RXFP4	relaxin family peptide/INSL5 receptor 4	Relaxin family peptide receptors
SSTR1	somatostatin receptor 1	Somatostatin receptors
SSTR2	somatostatin receptor 2	Somatostatin receptors
SSTR3	somatostatin receptor 3	Somatostatin receptors
SSTR4	somatostatin receptor 4	Somatostatin receptors
SSTR5	somatostatin receptor 5	Somatostatin receptors
SUCNR1	succinate receptor 1	Succinate receptor
TACR1	tachykinin receptor 1	Tachykinin receptors
TACR2	tachykinin receptor 2	Tachykinin receptors
TACR3	tachykinin receptor 3	Tachykinin receptors
TRHR	thyrotropin releasing hormone receptor	Thyrotropin-releasing hormone receptors
TAAR1	trace amine associated receptor 1	Trace amine receptor
UTS2R	urotensin 2 receptor	Urotensin receptor
AVPR1A	arginine vasopressin receptor 1A	Vasopressin and oxytocin receptors
AVPR1B	arginine vasopressin receptor 1B	Vasopressin and oxytocin receptors
AVPR2	arginine vasopressin receptor 2	Vasopressin and oxytocin receptors
OXTR	oxytocin receptor	Vasopressin and oxytocin receptors

<b>Symbol</b>	<b>HGNC name</b>	<b>Family</b>
ADCYAP1R 1	ADCYAP receptor type I	VIP and PACAP receptors
VIPR1	vasoactive intestinal peptide receptor 1	VIP and PACAP receptors
VIPR2	vasoactive intestinal peptide receptor 2	VIP and PACAP receptors
AGTR2	angiotensin II receptor type 2	Orphan receptors
GPRC6A	G protein-coupled receptor class C group 6 member A	Orphan receptors
GPR18	G protein-coupled receptor 18	Orphan receptors
GPR1	G protein-coupled receptor 1	Orphan receptors
ACKR4	atypical chemokine receptor 4	Orphan receptors
CCRL2	C-C motif chemokine receptor like 2	Orphan receptors
ACKR1	atypical chemokine receptor 1 (Duffy blood group)	Orphan receptors
ACKR2	atypical chemokine receptor 2	Orphan receptors
ACKR3	atypical chemokine receptor 3	Orphan receptors
GP1R	G protein-coupled estrogen receptor 1	Orphan receptors
GPR151	G protein-coupled receptor 151	Orphan receptors
TAAR2	trace amine associated receptor 2	Orphan receptors
TAAR5	trace amine associated receptor 5	Orphan receptors
TAAR6	trace amine associated receptor 6	Orphan receptors
TAAR8	trace amine associated receptor 8	Orphan receptors
TAAR9	trace amine associated receptor 9	Orphan receptors
GPR4	G protein-coupled receptor 4	Orphan receptors
GPR65	G protein-coupled receptor 65	Orphan receptors
GPR68	G protein-coupled receptor 68	Orphan receptors
GPR132	G protein-coupled receptor 132	Orphan receptors
GPR3	G protein-coupled receptor 3	Orphan receptors
GPR6	G protein-coupled receptor 6	Orphan receptors
GPR12	G protein-coupled receptor 12	Orphan receptors
GPR15	G protein-coupled receptor 15	Orphan receptors
GPR17	G protein-coupled receptor 17	Orphan receptors
GPR19	G protein-coupled receptor 19	Orphan receptors
GPR20	G protein-coupled receptor 20	Orphan receptors
GPR21	G protein-coupled receptor 21	Orphan receptors
GPR22	G protein-coupled receptor 22	Orphan receptors
GPR25	G protein-coupled receptor 25	Orphan receptors
GPR26	G protein-coupled receptor 26	Orphan receptors

<b>Symbol</b>	<b>HGNC name</b>	<b>Family</b>
GPR27	G protein-coupled receptor 27	Orphan receptors
GPR31	G protein-coupled receptor 31	Orphan receptors
GPR32	G protein-coupled receptor 32	Orphan receptors
GPR34	G protein-coupled receptor 34	Orphan receptors
GPR35	G protein-coupled receptor 35	Orphan receptors
GPR37	G protein-coupled receptor 37	Orphan receptors
GPR37L1	G protein-coupled receptor 37 like 1	Orphan receptors
GPR39	G protein-coupled receptor 39	Orphan receptors
GPR45	G protein-coupled receptor 45	Orphan receptors
GPR50	G protein-coupled receptor 50	Orphan receptors
GPR52	G protein-coupled receptor 52	Orphan receptors
GPR61	G protein-coupled receptor 61	Orphan receptors
GPR62	G protein-coupled receptor 62	Orphan receptors
GPR63	G protein-coupled receptor 63	Orphan receptors
GPR75	G protein-coupled receptor 75	Orphan receptors
GPR78	G protein-coupled receptor 78	Orphan receptors
GPR82	G protein-coupled receptor 82	Orphan receptors
GPR83	G protein-coupled receptor 83	Orphan receptors
GPR85	G protein-coupled receptor 85	Orphan receptors
GPR87	G protein-coupled receptor 87	Orphan receptors
GPR88	G protein-coupled receptor 88	Orphan receptors
GPR101	G protein-coupled receptor 101	Orphan receptors
GPR135	G protein-coupled receptor 135	Orphan receptors
GPR139	G protein-coupled receptor 139	Orphan receptors
GPR141	G protein-coupled receptor 141	Orphan receptors
GPR142	G protein-coupled receptor 142	Orphan receptors
GPR146	G protein-coupled receptor 146	Orphan receptors
GPR148	G protein-coupled receptor 148	Orphan receptors
GPR149	G protein-coupled receptor 149	Orphan receptors
GPR150	G protein-coupled receptor 150	Orphan receptors
GPR152	G protein-coupled receptor 152	Orphan receptors
GPR153	G protein-coupled receptor 153	Orphan receptors
GPR160	G protein-coupled receptor 160	Orphan receptors
GPR161	G protein-coupled receptor 161	Orphan receptors
GPR162	G protein-coupled receptor 162	Orphan receptors

<b>Symbol</b>	<b>HGNC name</b>	<b>Family</b>
GPR171	G protein-coupled receptor 171	Orphan receptors
GPR173	G protein-coupled receptor 173	Orphan receptors
GPR174	G protein-coupled receptor 174	Orphan receptors
GPR176	G protein-coupled receptor 176	Orphan receptors
GPR182	G protein-coupled receptor 182	Orphan receptors
LGR4	leucine rich repeat containing G protein-coupled receptor 4	Orphan receptors
LGR5	leucine rich repeat containing G protein-coupled receptor 5	Orphan receptors
LGR6	leucine rich repeat containing G protein-coupled receptor 6	Orphan receptors
MAS1	MAS1 proto-oncogene, G protein-coupled receptor	Orphan receptors
MAS1L	MAS1 proto-oncogene like, G protein-coupled receptor	Orphan receptors
MRGPRD	MAS related GPR family member D	Orphan receptors
MRGPRE	MAS related GPR family member E	Orphan receptors
MRGPRF	MAS related GPR family member F	Orphan receptors
MRGPRG	MAS related GPR family member G	Orphan receptors
MRGPRX1	MAS related GPR family member X1	Orphan receptors
MRGPRX2	MAS related GPR family member X2	Orphan receptors
MRGPRX3	MAS related GPR family member X3	Orphan receptors
MRGPRX4	MAS related GPR family member X4	Orphan receptors
GPR156	G protein-coupled receptor 156	Orphan receptors
GPR158	G protein-coupled receptor 158	Orphan receptors
GPRC5A	G protein-coupled receptor class C group 5 member A	Orphan receptors
GPRC5B	G protein-coupled receptor class C group 5 member B	Orphan receptors
GPRC5C	G protein-coupled receptor class C group 5 member C	Orphan receptors
GPRC5D	G protein-coupled receptor class C group 5 member D	Orphan receptors
GPR107	G protein-coupled receptor 107	Orphan receptors
GPR137	G protein-coupled receptor 137	Orphan receptors
GPR143	G protein-coupled receptor 143	Orphan receptors
GPR157	G protein-coupled receptor 157	Orphan receptors
TPRA1	transmembrane protein adipocyte associated 1	Orphan receptors