

GPCR Membrane Preparation Catalogue

Our membrane preparations are prepared from transiently expressed GPCRs in mammalian cells (BHK CHO). 64 receptors are available immediately upon order.

References indicating "Available upon order" can be delivered upon order within 4 weeks.

Membrane preparations are delivered on dry ice and must be stored at -70°C .

A shipping fee of 70 Euros is charged with the order.

We provide two types of membrane preparations:

- Membrane preparations of characterised GPCRs (Pages 2 to 7)

(C ref) are available at 380 Euro tax excluded for 200 Units in 4 vials.

One unit is defined as the amount of protein sufficient to obtain at least 2000 specific dpms for a concentration of radioligand close to 10 times the theoretical K_d value. Each batch is assessed for quality by radioligand binding.

- Membrane preparations of non-characterised GPCRs (Pages 8 to 10)

(N ref) are available at 380 Euro tax excluded for 5 mg in 5 vials. Each batch is assessed for quality by Western blot.

Detailed datasheet with quality control data for each available product can be found on our website at:

www.bioxtal.com under GPCR membrane preparation

For bulk orders, please contact us by email, fax or phone:

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Thank you very much for your interest in our GPCR membrane preparation catalogue.

Etienne L'Hermite

Chief Executive Officer

Characterised Receptors

Adenosine

Reference	Subtype	Species	Swissprot references	Reference binding
#C101920	A1	Human	AA1R_HUMAN P30542	0,94 pmol/mg
#C102020	A2A	Human	AA2AR_HUMAN P29274	3,94 pmol/mg
#C102120	A2B	Human	AA2BR_HUMAN P29275	2,37 pmol/mg
#C200320	A3	Human	AA3R_HUMAN P33765	Available upon request

Adrenergic

Reference	Subtype	Species	Swissprot references	Reference binding
#C110420	Alpha-1A	Human	ADA1A_HUMAN P35348	Available upon request
#C101420	Alpha-1A	Rat	ADA1A_RAT P43140	1,13 pmol/mg
#C101520	Alpha-1B	Human	ADA1B_HUMAN P35368	1,00 pmol/mg
#C110520	Alpha-1B	Mesau	ADA1B_MESAU P18841	13,4 pmol/mg
#C110620	Alpha-1D	Rat	ADA1D_RAT P23944	Available upon request
#C110720	Alpha-2A	Human	ADA2A_HUMAN P08913	Available upon request
#C101620	Alpha-2B	Human	ADA2B_HUMAN P18089	26,4 pmol/mg
#C101820	Alpha-2C	Rat	ADA2C_RAT P22086	0,30 pmol/mg
#C103120	Beta-3	Human	ADRB3_HUMAN P13945	Available upon request

Adrenocorticotropic

Reference	Subtype	Species	Swissprot references	Reference binding
#C102720	ACTR	Human	ACTHR_HUMAN Q01718	Available upon request

Angiotensin

Reference	Subtype	Species	Swissprot references	Reference binding
#C102820	AT1A	Human	AG2R_HUMAN P30556	Available upon request

Apelin

Reference	Subtype	Species	Swissprot references	Reference binding
#C210020	APJ	Human	APJ_HUMAN P35414	Available upon request

Bombesin

Reference	Subtype	Species	Swissprot references	Reference binding
#C200920	BRS3	Human	BRS3_HUMAN P32247	Available upon request

Bradykinin

Reference	Subtype	Species	Swissprot references	Reference binding
#C103220	B1	Human	BKRB1_HUMAN P46663	Available upon request
#C103320	B2	Human	BKRB2_HUMAN P30411	4,68 pmol/mg

Calcitonin

Reference	Subtype	Species	Swissprot references	Reference binding
#C103420	CALR	Human	CALCR_HUMAN P30988	Available upon request
#C201020	CGRR	Human	CALRL_HUMAN Q16602	Available upon request

Cannabinoid

Reference	Subtype	Species	Swissprot references	Reference binding
#C103620	CB1	Human	CNR1_HUMAN P21554	0,99 pmol/mg
#C112120	CB1	Mouse	CNR1_MOUSE P47746	4,88 pmol/mg
#C103720	CB2	Human	CNR2_HUMAN P34972	15,5 pmol/mg

Chemokine

Reference	Subtype	Species	Swissprot references	Reference binding
#C104020	CCR1	Human	CCR1_HUMAN P32246	Available upon request
#C104120	CCR2	Human	CCR2_HUMAN P41597	Available upon request
#C104220	CCR6	Human	CCR6_HUMAN P51684	Available upon request
#C114520	CCR7	Human	CCR7_HUMAN P32248	Available upon request
#C103920	CXCR3	Human	CXCR3_HUMAN P49682	Available upon request
#C113520	CXCR4	Human	CXCR4_HUMAN P61073	1,90 pmol/mg
#C200220	CX3CR1	Human	CX3C1_HUMAN P49238	Available upon request
#C201720	DUFF	Human	DUFFY_HUMAN Q16570	Available upon request

Cholecystokinin

Reference	Subtype	Species	Swissprot references	Reference binding
#C103820	CCK-A	Human	CCKAR_HUMAN P32238	Available upon request
#C105720	GAST	Human	GASR_HUMAN P32239	Available upon request

Dopamine

Reference	Subtype	Species	Swissprot references	Reference binding
#C110920	D1A	Human	DRD1_HUMAN P21728	8,47 pmol/mg
#C111020	D1B	Human	DRD5_HUMAN P21918	Available upon request
#C104320	D2	Human	DRD2_HUMAN P14416	8,35 pmol/mg
#C104420	D2	Mouse	DRD2_RAT P61169	12,3 pmol/mg
#C104520	D3	Human	DRD3_HUMAN P35462	1,67 pmol/mg
#C104620	D4	Human	DRD4_HUMAN P21917	2,91 pmol/mg

Endothelin

Reference	Subtype	Species	Swissprot references	Reference binding
#C105120	ETA	Human	EDNRA_HUMAN P25101	Available upon request
#C105020	ETA	Bovin	EDNRA_BOVIN P21450	Available upon request
#C105220	ETB	Bovin	EDNRB_BOVIN P28088	Available upon request

Galanin

Reference	Subtype	Species	Swissprot references	Reference binding
#C105420	GalR1	Human	GALR1_HUMAN P47211	0,22 pmol/mg
#C105620	GalR3	Human	GALR3_HUMAN O60755	0,74 pmol/mg

Glutamate

Reference	Subtype	Species	Swissprot references	Reference binding
#C106720	MGluR2	Human	MGR2_HUMAN Q14416	Available upon request
#C106820	MGluR3	Human	MGR3_HUMAN Q14832	3,02 pmol/mg
#C106920	MGluR4	Human	MGR4_HUMAN Q14833	Available upon request
#C111420	MGluR7	Human	MGR7_HUMAN Q14831	1,65 pmol/mg

Histamine

Reference	Subtype	Species	Swissprot references		Reference binding
#C412520	H1	Human	HRH1_HUMAN	P35367	Available upon request
#C106120	H2	Human	HRH2_HUMAN	P25021	6,35 pmol/mg
#C106220	H2	Rat	HRH2_RAT	P25102	2,28 pmol/mg

Interleukin

Reference	Subtype	Species	Swissprot references		Reference binding
#C106320	IL8A	Human	CXCR1_HUMAN	P25024	Available upon request
#C113620	IL8B	Human	CXCR2_HUMAN	P25025	Available upon request

Melanin con. hormone

Reference	Subtype	Species	Swissprot references		Reference binding
#C106020	MCH1	Human	MCHR1_HUMAN	Q99705	1,93 pmol/mg
#C212920	MCH2	Human	MCHR2_HUMAN	Q969V1	1,92 pmol/mg

Melanocortin

Reference	Subtype	Species	Swissprot references		Reference binding
#C106420	MC3	Human	MC3R_HUMAN	P41968	Available upon request
#C106520	MC4	Human	MC4R_HUMAN	P32245	Available upon request
#C106620	MC5	Human	MC5R_HUMAN	P33032	Available upon request

Melatonin

Reference	Subtype	Species	Swissprot references		Reference binding
#C415720	MT1	Human	MTR1A_HUMAN	P48039	Available upon request
#C415820	MT2	Human	MTR1B_HUMAN	P49286	Available upon request

Muscarinic

Reference	Subtype	Species	Swissprot references		Reference binding
#C102320	M1	Human	ACM1_HUMAN	P11229	3,96 pmol/mg
#C102420	M1	Mouse	ACM1_MOUSE	P12657	0,76 pmol/mg
#C102520	M2	Human	ACM2_HUMAN	P08172	20,6 pmol/mg
#C102620	M2	Pig	ACM2_PIG	P06199	3,34 pmol/mg

Neurokinin

Reference	Subtype	Species	Swissprot references	Reference binding
#C107220	NK1	Human	NK1R_HUMAN P25103	28,6 pmol/mg
#C107320	NK1	Rat	NK1R_RAT P14600	68,9 pmol/mg
#C107420	NK2	Human	NK2R_HUMAN P21452	3,55 pmol/mg
#C107520	NK2	Rat	NK2R_RAT P16610	41,6 pmol/mg
#C107620	NK3	Human	NK3R_HUMAN P29371	6,67 pmol/mg

Neuromedin

Reference	Subtype	Species	Swissprot references	Reference binding
#C213220	NMUR2	Human	Q9GZQ4_HUMAN Q9GZQ4	Available upon request

Neuropeptide

Reference	Subtype	Species	Swissprot references	Reference binding
#C107920	NPY1	Human	NPY1R_HUMAN P25929	1,97 pmol/mg
#C108020	NPY2	Human	NPY2R_HUMAN P49146	3,27 pmol/mg
#C108120	NPY4	Human	NPY4R_HUMAN P50391	Available upon request

Opioid

Reference	Subtype	Species	Swissprot references	Reference binding
#C108320	Delta	Human	OPRD_HUMAN P41143	Available upon request
#C108420	Delta	Mouse	OPRD_MOUSE P32300	2,20 pmol/mg
#C108520	Kappa	Human	OPRK_HUMAN P41145	2,13 pmol/mg
#C108620	Kappa	Mouse	OPRK_MOUSE P33534	2,54 pmol/mg

Serotonin

Reference	Subtype	Species	Swissprot references	Reference binding
#C100120	5HT1A	Human	5HT1A_HUMAN P08908	3,77 pmol/mg
#C100220	5HT1B	Human	5HT1B_HUMAN P28222	17,7 pmol/mg
#C100320	5HT1D	Human	5HT1D_HUMAN P28221	1,53 pmol/mg
#C100420	5HT1E	Human	5HT1E_HUMAN P28566	6,53 pmol/mg
#C100520	5HT1F	Human	5HT1F_HUMAN P30939	0,77 pmol/mg
#C100620	5HT2A	Human	5HT2A_HUMAN P28223	8,5 pmol/mg

Serotonin

Reference	Subtype	Species	Swissprot references	Reference binding
#C100720	5HT2A	Mouse	5HT2A_MOUSE P35363	Available upon request
#C100820	5HT2B	Human	5HT2B_HUMAN P41595	Available upon request
#C100920	5HT2C	Human	5HT2C_HUMAN P28335	Available upon request
#C114420	5HT4	Human	5HT4R_HUMAN Q13639	Available upon request
#C101020	5HT5A	Human	5HT5A_HUMAN P47898	5,22 pmol/mg
#C111120	5HT6	Rat	5HT6R_RAT P31388	3,58 pmol/mg
#C101220	5HT7	Human	5HT7R_HUMAN P34969	Available upon request
#C111720	5HT7	Rat	5HT7R_RAT P32305	32,1 pmol/mg

Somatostatin

Reference	Subtype	Species	Swissprot references	Reference binding
#C109320	SST1	Human	SSR1_HUMAN P30872	2,2 pmol/mg
#C109420	SST2	Human	SSR2_HUMAN P30874	0,25 pmol/mg
#C109520	SST3	Human	SSR3_HUMAN P32745	2,47 pmol/mg

Vasopressin

Reference	Subtype	Species	Swissprot references	Reference binding
#C429420	V1a	Human	V1AR_HUMAN P37288	2,36 pmol/mg
#C110320	V1b	Human	V1BR_HUMAN P47901	26,1 pmol/mg
#C216320	V2	Human	V2R_HUMAN P30518	1,01 pmol/mg

Non Characterised Receptors

Chemokine

Reference	Subtype	Species	Swissprot references	Availability
#N201220	CXCR5	Human	CXCR5_HUMA P32302	Available upon request

FMLP rel.

Reference	Subtype	Species	Swissprot references	Availability
#N113920	FML1	Human	FPRL1_HUMAN P25090	Available upon request

Follitropin

Reference	Subtype	Species	Swissprot references	Availability
#N113120	FSH	Human	FSHR_HUMAN P23945	Available upon request

Frizzled

Reference	Subtype	Species	Swissprot references	Availability
#N220320	FZD5	Human	FZD5_HUMAN Q13467	Available upon request

Glucagon

Reference	Subtype	Species	Swissprot references	Availability
#N105920	GLR	Human	GLR_HUMAN P47871	Available

HLA

Reference	Subtype	Species	Swissprot references	Availability
#N202920	1C01	Human	1C01_HUMAN P30499	Available upon request

Leukotriene

Reference	Subtype	Species	Swissprot references	Availability
#N112920	CysLT1	Human	CLTR1_HUMA Q9Y271	Available upon request
#N113020	CysLT2	Human	CLTR2_HUMA Q9NS75	Available upon request

Lutropin

Reference	Subtype	Species	Swissprot references	Availability
#N113320	LSH	Rat	LSHR_RAT P16235	Available

Lysophospholipid

Reference	Subtype	Species	Swissprot references	Availability
#N446920	EDG2	Human	EDG2_HUMAN Q92633	Available upon request
#N104820	EDG3	Human	EDG3_HUMAN Q99500	Available
#N210420	EDG4	Human	EDG4_HUMAN Q9HBW0	Available upon request

Orexin

Reference	Subtype	Species	Swissprot references	Availability
#N211920	OX1	Human	OX1R_HUMAN O43613	Available upon request

Orphan GPCR

Reference	Subtype	Species	Swissprot references	Availability
#N211020	GP12	Human	GPR12_HUMAN P47775	Available upon request
#N203820	GP85	Human	GPR85_HUMAN P60893	Available upon request
#N211320	GPR1	Human	GPR1_HUMAN P46091	Available upon request
#N204520	GPRY	Human	GPR34_HUMAN Q9UPC5	Available upon request
#N220620	H963	Human	GP171_HUMAN O14626	Available upon request
#N212620	Q96PR4	Human	GPR61_HUMAN Q9BZJ8	Available upon request
#N216120	Q9BY21	Human	Q9BY21 Q9BY21	Available upon request
#N213420	Q9NQ84	Human	GPC5C_HUMA Q9NQ84	Available upon request
#N213520	Q9NQS5	Human	GPR84_HUMAN Q9NQS5	Available upon request
#N214020	GPR17	Human	GPR17_HUMAN Q13304	Available
#N207620	SRB3	Human	GP173_HUMAN Q9NS66	Available upon request

Prolactin rel. peptide

Reference	Subtype	Species	Swissprot references	Availability
#N202020	GPRA	Human	GPR10_HUMAN P49683	Available upon request

Prostanoid

Reference	Subtype	Species	Swissprot references	Availability
#N215120	EP2	Human	PE2R2_HUMAN P43116	Available
#N109020	EP3	Human	PE2R3_HUMAN P43115	Available

Proteinase act.

Reference	Subtype	Species	Swissprot references	Availability
#N217020	PAR3	Human	PAR3_HUMAN O00254	Available upon request
#N206220	PAR2	Human	PAR2_HUMAN P55085	Available upon request

Purinergic

Reference	Subtype	Species	Swissprot references	Availability
#N113720	P2Y6	Human	P2RY6_HUMAN Q15077	Available upon request
#N108920	P2Y1	Human	P2RY1_HUMAN P47900	Available
#N108720	P2Y2	Human	P2RY2_HUMAN P41231	Available
#N108820	P2Y5	Human	P2RY5_HUMAN P43657	Available
#N301120	P2Y9	Human	P2RY9_HUMAN Q99677	Available upon request
#N420020	P2Y12	Human	P2Y12_HUMAN Q9H244	Available upon request

Secretin

Reference	Subtype	Species	Swissprot references	Availability
#N207520	SCRC	Human	SCTR_HUMAN P47872	Available upon request

Thrombin

Reference	Subtype	Species	Swissprot references	Availability
#N109920	THRR	Human	PAR1_HUMAN P25116	Available upon request

Thyrotropin

Reference	Subtype	Species	Swissprot references	Availability
#N111620	TSHR	Rat	TSHR_RAT P21463	Available
