

Recombinant Human GPR50 Protein, GST-tagged

Cat. No. GPR50-5250H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Human GPR50 full-length ORF (AA103697.1, 1 a.a. - 617 a.a.) recombinant protein with GST-tag at N-terminal.
Species	Human
Source	Wheat Germ
Description	This gene product belongs to the G-protein coupled receptor 1 family. Even though this protein shares similarity with the melatonin receptors, it does not bind melatonin, however, it inhibits melatonin receptor 1A function through heterodimerization. Polymorphic variants of this gene have been associated with bipolar affective disorder in women. [provided by RefSeq, Jan 2010]
Molecular Mass	93.8 kDa
AA Sequence	MGPTLAVPTPYGCIGCKLPQPEYPPALIIFMFCAMVITIVVDLIGNSMVILAVTKNKKLR NSGNIFVVSLSVADMLVAIYPYPLMLHAMSIGGWDLSQLQCQMVGFITGLSVVGSIF NIVAIAINRYCYICHSLQYERIFSVRNTCIYLVITWIMTVLAVLPNMYIGTIEYDPRTYTCI FNYLNNPVFTVTIVCIHFVLPLLIVGFCYVRIWTKVLAARDPAGQNPDNQLAEVRNFLT MFVIFLLFAVCWCPIVLTVLVAVSPKEMAGKIPNWLYLAAYFIAYFNSCLNAVIYGLL NENFRREYWTIFHAMRHPIIFFSGLISDIEMQEARTLARARAHARDQAREQDRAHA CPAVEETPMNVRNVPLPGDAAAGHPDRASGHPKPHSRSSSAYRKSASTHHKSVFS HСКАASGHLKPVSGHSPASGHPKSATVYPKPASVHFKADSVHFKGDSVHFKPDSV HFKPASSNPKPITGHHVSAGSHSKSAFSAATSHPKPTTGHIPATSHAEPPTADYPK

 Tel: 1-631-559-9269 1-516-512-3133

 Email: info@creative-biomart.com  Fax: 1-631-938-8127

 45-1 Ramsey Road, Shirley, NY 11967, USA

	PATTSHPKPTAADNPELSASHCPEIPAIHPVSDDSDLPESASSPAAGPTKPAASQL ESDTIADLPDPTVTTSTNDYHDVVVDVEDDPDEMAV
Applications	Enzyme-linked Immunoabsorbent Assay Western Blot (Recombinant protein) Antibody Production Protein Array
Notes	Best use within three months from the date of receipt of this protein.
Storage	Store at -80 centigrade. Aliquot to avoid repeated freezing and thawing.
Storage Buffer	50 mM Tris-HCl, 10 mM reduced Glutathione, pH=8.0 in the elution buffer.
GENE INFORMATION	
Gene Name	GPR50 G protein-coupled receptor 50 [Homo sapiens]
Official Symbol	GPR50
Synonyms	GPR50; G protein-coupled receptor 50; melatonin-related receptor; H9; Mel1c; MGC125342;
Gene ID	9248
mRNA Refseq	NM_004224
Protein Refseq	NP_004215
MIM	300207

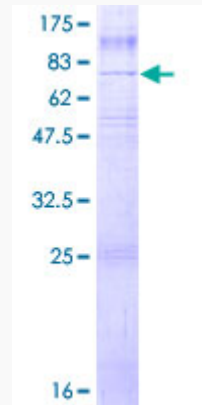
 Tel: 1-631-559-9269 1-516-512-3133

 Email: info@creative-biomart.com  Fax: 1-631-938-8127

 45-1 Ramsey Road, Shirley, NY 11967, USA

UniProt ID

Q13585

**Quality Control
Testing**

12.5% SDS-PAGE Stained with Coomassie Blue.

 Tel: 1-631-559-9269 1-516-512-3133 Email: info@creative-biomart.com  Fax: 1-631-938-8127 45-1 Ramsey Road, Shirley, NY 11967, USA