

Recombinant Full Length Human GPR50 Protein, GST-tagged

Cat. No. GPR50-5597HF **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	In Vitro Cell Free System
ProteinLength	617 amino acids
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 NIVAIINRYCYICHSLQYERIFSVRNTCIYLVITWIMTVLAVLPNMYIGTIEYDPRTYTCI FNYLNNPVFTVTIVCIHFVLP LLIVGFCYVRIWTKVLAARDPAGQNP DNQLAEVRNFLT MFVIFLLFAVCWC PINVLTVLVAVSPKEMAGKIPNWLYLAAYFIAYFNSCLNAVIYGLL NENFRREYWTIFHAMRHPIIFFSGLISDIEMQEARTLARARAHARDQAREQDRAHA CPAVEETPMNVRNVPLPGDAAAGHPDRASGHPKPHSRSSSAYRKSASTHHKSVFS HKAASGHLKPVSGHSPASGHPKSATVYPKPASVHFKADSVHFKGDSVHFKPDSV

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HFKPASSNPKPITGHHVSAGSHSKSAFSAATSHPKPTTGHKIPATSHAEPPTADYPK
 PATTSHPKPTAADNPELSASHCPEIPAIAHPVSDDSDLPESASSPAAGPTKPAASQL
 ESDTIADLPDPTVVTSTNDYHDVVVVDVEDDPDEMAV

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

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UniProt ID

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