

Recombinant Human GPR50 Protein

Cat. No. GPR50-5249H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Human GPR50 full-length ORF (AAI03697.1) recombinant protein without tag.
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]
Form	Liquid
Molecular Mass	67.4 kDa
AA Sequence	MGPTLAVPTPYGCIGCKLPQPEYPPALIIFMFCAMVITIVVDLIGNSMVILAVTKNKKLR NSGNIFVVSLSVADMLVAIYPYPLMLHAMSIGGWDLSQLQCQMVGFITGLSVVGSIF NIVAIAINRYCYICHSLQYERIFSVRNTCIYLVITWIMTVLAVLPNMYIGTIEYDPRITYTCI FNYLNNPVFTVTIVCIHFVLP LLIVGFCYVRIWTKVLAARDPAGQNP DNQLAEVRNFLT MFVIFLLFAVCWCPINVLTVLAVVSPKEMAGKIPNWLYLAAYFIAYFNSCLNAVIYGLL NENFRREYWTIFHAMRHP IIFFSGLISDIEMQEARTLARARAHARDQAREQDRAHA CPAVEETPMNVRNVPLPGDAAAGHPDRASGHPKPHSRSSSAYRKSASTHHKSVFS HKAASGHLKPVSGHSPASGHPKSATVYPKPASVHFKADSVHFKGDSVHFKPDSV HFKPASSNP KPITGHHVSAGSHSKSAFSAATSHPKPTTGH IKPATSHA EPTTADY PK

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	PATTSHPKPTAADNPELSASHCPEIPAIAHPVSDSDLPESASSPAAGPTKPAASQL ESDTIADLPDPTVVTSTNDYHDVVVDVEDDPDEMAV
Applications	Antibody Production Functional Study Compound Screening
Usage	Heating may cause protein aggregation. Please do not heat this product before electrophoresis.
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	25 mM Tris-HCl of pH8.0 containing 2% glycerol.

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

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MIM	300207
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UniProt ID	Q13585
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