

Recombinant Full Length Human GPR50 Protein

Cat. No. GPR50-5595HF **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Human GPR50 full-length ORF (AAI03697.1) recombinant protein without tag.
Species	Human
Source	In Vitro Cell Free System
ProteinLength	572 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]
Form	Liquid
Molecular Mass	67.4 kDa
AA Sequence	MGPTLAVPTPYGCIGCKLPQPEYPPALIIFMFCAMVITIVVDLIGNSMVILAVTKNKKLR NSGNIFVVSLSVADMLVAIYPYPLMLHAMSIGGWDLSQLQCQMVGFITGLSVVGSIF NIVAIAINRYCYICHSLQYERIFSVRNTCIYLVITWIMTVLAVLPNMYIGTIEYDPRITYTCI FNYLNNPVFTVTIVCIHFVLPLLIVGFCYVRIWTKVLAARDPAGQNPDNQLAEVRNFLT MFVIFLLFAVCWCPIINVLTVLVAVSPKEMAGKIPNWLYLAAYFIAYFNSCLNAVIYGLL NENFRREYWTIFHAMRHPIIFFSGLISDIEMQEARTLARARAHARDQAREQDRAHA CPAVEETPMNVRNVPLPGDAAAGHPDRASGHPKPHSRSSSAYRKSASTHHKSVFS

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HSKAASGHLKPVSGHSKPASGHPKSATVYPKPASVHFKADSVHFKGDSVHFKPDSV
 HFKPASSNPKPITGHHVSAGSHSKSAFSAATSHPKPTTGHIKPATSHAEPPTADYPK
 PATTSHPKPTAADNPELSASHCPEIPAIAHPVSDDSDLPESASSPAAGPTKPAASQL
 ESDTIADLPDPTVVTSTNDYHDVVVDVEDDPDEMAV

Applications
 Antibody Production
 Functional Study
 Compound Screening

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](#)

MIM
[300207](#)

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UniProt ID

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