

Recombinant Full Length Human GPR56 Protein

Cat. No. GPR56-5601HF **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Human GPR56 full-length ORF (AAH08770.1) recombinant protein without tag.
Species	Human
Source	In Vitro Cell Free System
ProteinLength	387 amino acids
Description	<p>This gene encodes a member of the G protein-coupled receptor family. The protein contains 7 transmembrane domains and a mucin-like domain in the N-terminal region. The gene is implicated in the regulation of brain cortical patterning. The protein binds specifically to transglutaminase 2 in the extracellular space. Expression of this gene is downregulated in melanoma cell lines, and overexpression of this gene can suppress tumor growth and metastasis. Mutations in this gene result in bilateral frontoparietal polymicrogyria. Multiple transcript variants encoding different isoforms have been found for this gene. [provided by RefSeq]</p>
Form	Liquid
Molecular Mass	77.7 kDa
AA Sequence	<p>MTPQSLLQTTLFLLSLLFLVQGAHGRGHREDFRFCSQRNQTHRSSLHYKPTPDLRIS IENSEEALTVHAPFPAAHPASRSFPDPRGLYHFCLYWNRHAGRLHLLYGKRDFFLLSD KASSLLCFQHQEESLAQGPELLATSVTSWWSPQNIPLSAASFTFSFHSPPHHTAAHN ASVDMCELKRDQLLSQFLKHPQKASRRPSAAPASQQLQSLESKLTSVRFMGDMV</p>

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SFEEDRINATVWKLQPTAGLQDLHIHSRQEEEQSEIMEYSVLLPRTLQRTKGRSGE
 AEKRLLLVDFFSSQALFQDKNSSHVLGEKVLGIVVQNTKVANLTPVVLTFQHQLQPK
 NVTLQCVFWVEDPTLSSPGHWSSAGCETVRRETQTSCFCNHLTYFAVLMVSSVEV
 DAVHKHYLSLLSYVGCVVSALACLVTIAAYLCSRVPPLPCRRKPRDYTIKVHMNLLLA
 V FLLDTSFLLSEPVALTGSEAGCRASAIFLHFSLLTCLSWMGLEGYNLYRLVVEVFGTY
 VPGYLLKLSAMGWGFPIFLVTLVALVDVDNYGPIILAVHRTPEGVIIYPSMCWIRDSL
 V SYITNLGLFSLVFLFNMAMLATMVVQILRLRPHTQKWSHVLTLGLSLVLGLPWALIFF
 SFASGTFQLVVLYLFSIITSFQGFLLFIWYWSMRLQARGGSPPLKSNSDSARLPIS
 SG STSSSRI

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
 GPR56 G protein-coupled receptor 56 [Homo sapiens]

Official Symbol
 GPR56

Synonyms
 GPR56; G protein-coupled receptor 56; G-protein coupled receptor 56; TM7LN4;
 TM7XN1; 7-transmembrane protein with no EGF-like N-terminal domains-1; BFPP;
 DKFZp781L1398;

Gene ID
 9289

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mRNA Refseq [NM_001145770](#)

Protein Refseq [NP_001139242](#)

MIM [604110](#)

UniProt ID [Q9Y653](#)

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