

# Recombinant Full Length Human GPR56 Protein

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

## SPECIFICATION

|                         |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |
|-------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Product Overview</b> | Human GPR56 full-length ORF (AAH08770.1) recombinant protein without tag.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |
| <b>Species</b>          | Human                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |
| <b>Source</b>           | In Vitro Cell Free System                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |
| <b>ProteinLength</b>    | 387 amino acids                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |
| <b>Description</b>      | <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> |
| <b>Form</b>             | Liquid                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |
| <b>Molecular Mass</b>   | 77.7 kDa                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |
| <b>AA Sequence</b>      | MTPQSLLQTTLFLLSLLFLVQGAHGRGHREDFRFCSQRNQTHRSSLHYKPTPDLRIS<br>IENSEEALTVHAPFAAHPASRSFPDPRGLYHFCLYWNRHAGRLHLLYGKRDFFLLSD<br>KASSLLCFQHQEESLAQGPPLLATSVTSWWSPQNISLPSAASFTFSFHSPPHATAAHN<br>ASVDMCELKRDQLLSQFLKHPQKASRRPSAAPASQQQLQSLESKLTSVRFMGDMV                                                                                                                                                                                                                                                                                                                                                                                                                      |

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

SFEEDRINATVWKLQPTAGLQDLHIHSRQEEEQSEIMEYSVLLPRTLQRTKGRSGE  
 AEKRLLLVDFSSQALFQDKNSSHVLGEKVLGIVVQNTKVANLTEPVVLTTFQHQLQPK  
 NVTLQCVFWVEDPTLSSPGHWSSAGCETVRRETQTSCFCNHLTYFAVLMVSSVEV  
 DAVHKHYLSLLSYVGCVVSALACLVTIAAYLCSRVPPLCRRKPRDYTIKVHMNLLAV  
 FLLDTSFLLSEPVALTGSEAGCRASAIFLHFSLLTCLSWMGLEGYNLYRLVVEVFGTY  
 VPGYLLKLSAMGWGFPIFLVTLVALVDVDNYGPIILAVHRTPEGVIYPSMCWIRDSL  
 SYITNLGLFSLVFLFNMAMLATMVVQILRLRPHTQKWSHVLTLGLSLVLGLPWALIFF  
 SFASGTFQLVVLYLFSIITSFQGLFIWYWSMRLQARGGPSPLKSNSDSARLPISG  
 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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