

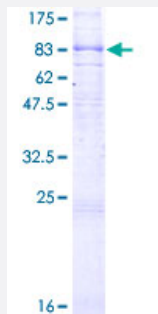
Full-Length

GPR56 (Human) Recombinant Protein (P02)

Catalog # H00009289-P02

Size 25 ug, 10 ug

Applications



Specification

Product Description

Human GPR56 full-length ORF (AAH08770.1, 1 a.a. - 693 a.a.) recombinant protein with GST-tag at N-terminal.

Sequence

MTPQSLLQTTLFLLSLLFLVQGAHGRGHREDFRFCSQRNQTHRSSLHYKPTPDLRISIENSEEALT
VHAPFPAAHPASRSFPDPRGLYHFCLYWNRHAGRLHLLYGKRDFLSDKASSLLCFQHQEESLA
QGPELLATSVTSWWSPQNISLPSAASFSTFSFHSPHTAAHNASVDMCELKRDQLLSQFLKHPQ
KASRRPSAAPASQQLSLESKLTSVRFMGDMVSFEEDRINATVWKLQPTAGLQDLHHHSRQEEE
QSEIMEYSVLLPRTLFRQTKGRSGEAEKRLLLVDFSSQALFQDKNSSHVLGEKVLGMVQNTKVA
NLTEPVVLTFAQHQLQPKNVTLCVFWVEDPTLSSPGHWSSAGCETVRRETQTSCFCNHLTYFAV
LMVSSVEVDAVHKHYSLLSYVGCVVSAACLVIAAYLCSRVLPCRRKPRDYTIKVHNMNLLAV
FLLDTSFLLSEPVALTGSEAGCRASAIHLHFSLLTCLSWMGLEGYNLYRLVVEVFGTYVPGYLLKL
SAMGWGFPIFLVTLVALVDVDNYGPILAVHRTPEGVYPSMCWIRDSLVSITNLGLFSLVFLFNMA
MLATMVVQILRLRPHTQKWSHVLTLGLSLVLGLPWALIFFSFASGTFQLVVLVLFSTISFQGFLLFI
WYWSMRLQARGGPSPLKSNSDSARLPISSGSTSSSRI

Host

Wheat Germ (in vitro)

Theoretical MW (kDa)

104.1

Interspecies Antigen Sequence

Mouse (78); Rat (78)

Preparation Method

[in vitro wheat germ expression system](#)

Purification	Glutathione Sepharose 4 Fast Flow
Quality Control Testing	12.5% SDS-PAGE Stained with Coomassie Blue.
Storage Buffer	50 mM Tris-HCl, 10 mM reduced Glutathione, pH=8.0 in the elution buffer.
Storage Instruction	Store at -80°C. Aliquot to avoid repeated freezing and thawing.
Note	Best use within three months from the date of receipt of this protein.

Applications

- Enzyme-linked Immunoabsorbent Assay
- Western Blot (Recombinant protein)
- Antibody Production
- Protein Array

Gene Info — GPR56

Entrez GeneID	9289
GeneBank Accession#	BC008770.2
Protein Accession#	AAH08770.1
Gene Name	GPR56
Gene Alias	BFPP, DKFZp781L1398, TM7LN4, TM7XN1
Gene Description	G protein-coupled receptor 56
Omim ID	604110 606854
Gene Ontology	Hyperlink

Gene Summary	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 over expression 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]
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Other Designations

EGF-TM7-like|seven transmembrane helix receptor

Disease

- [Genetic Predisposition to Disease](#)
- [Hyperparathyroidism](#)