

Proteoliposomes

Full-Length

GRPR (Human) Recombinant Protein

Catalog # H00002925-G01

Size 2 ug

Specification

Product Description	Human GRPR full-length ORF (NP_005305.1) recombinant protein without tag. This product is belong to Proteoliposome (PL).
Sequence	MALNDCFLNLEVDHFMHCNISSHSADLPVNDDWSHPGILYIPAVYGVILIGLIGNITLIKIFCTVKS MRNVPNLFISSLALGDLLLLITCAPVDASRYLADRWLFGRIGCKLIPFIQLTSVGVSFVTLTALSADR YKAVRPMDIQASHALMKICLKAAFWIISMLLAPEAVFSDLHPFHEESTNQTFISCAPYPHSNELHP KIHSMASFLVFYVIPLSISVYYYFIAKNLIQSAYNLPVEGNIHVKKQIESRKRLAKTVLVFVGLFAFCW LPNHVIYLYRSYHYSEVDTSMLHFVTSICARLLAFTNSCVNPFALYLLSKSFRKQFNTQLLCCQPGLI IRSHSTGRSTTCMTSLKSTNPSVATFSLINGNICHERYV
Host	Wheat Germ (in vitro)
Theoretical MW (kDa)	43.2
Interspecies Antigen Sequence	Mouse (90); Rat (90)
Form	Liquid
Preparation Method	in vitro wheat germ expression system with proprietary liposome technology
Purification	None
Recommend Usage	Heating may cause protein aggregation. Please do not heat this product before electrophoresis.
Storage Buffer	25 mM Tris-HCl of pH8.0 containing 2% glycerol.
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

- Antibody Production

Gene Info — GRPR

Entrez GeneID [2925](#)

GeneBank Accession# [NM_005314.2](#)

Protein Accession# [NP_005305.1](#)

Gene Name GRPR

Gene Alias -

Gene Description gastrin-releasing peptide receptor

Omim ID [305670](#)

Gene Ontology [Hyperlink](#)

Gene Summary

Gastrin-releasing peptide (GRP) regulates numerous functions of the gastrointestinal and central nervous systems, including release of gastrointestinal hormones, smooth muscle cell contraction, and epithelial cell proliferation and is a potent mitogen for neoplastic tissues. The effects of GRP are mediated through the gastrin-releasing peptide receptor. This receptor is a glycosylated, 7-transmembrane G-protein coupled receptor that activates the phospholipase C signaling pathway. The receptor is aberrantly expressed in numerous cancers such as those of the lung, colon, and prostate. An individual with autism and multiple exostoses was found to have a balanced translocation between chromosome 8 and a chromosome X breakpoint located within the gastrin-releasing peptide receptor gene. [provided by RefSeq]

Other Designations GRP-preferring bombesin receptor|OTTHUMP00000022983

Pathway

- [Calcium signaling pathway](#)
- [Neuroactive ligand-receptor interaction](#)

Disease

- [Alzheimer disease](#)
- [Autistic Disorder](#)
- [Cerebral Amyloid Angiopathy](#)
- [Genetic Predisposition to Disease](#)

- [Lung Neoplasms](#)
- [Neuroblastoma](#)
- [Panic Disorder](#)
- [Phobic Disorders](#)
- [Schizophrenia](#)
- [Urinary Bladder Neoplasms](#)
- [Werner syndrome](#)