

Recombinant Full Length Human GRPR Protein

Cat. No. GRPR-209HF **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant full length Human GRPR (amino acids 1-384) with N terminal proprietary tag; Predicted MWt 68.31 kDa including the tag.
Species	Human
Source	In Vitro Cell Free System
ProteinLength	384 amino acids
Description	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.
Form	Liquid
Molecular Mass	68.310kDa inclusive of tags
AA Sequence	MALNDCFLLNLEVDHFMHCNISSHSADLPVNDDWSHPGIL YVIPAVYGVILIGLIGNI

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TLIKIFCTVKSMRNVNLFIS SLALGDLILLITCAPVDASRYLADRWLFGKIGCKLIPFI
Q LTVSGVSVFTLTALSADRYKAIVRPMDIQASHALMKICLK AAFIWIISMLLAPEAVF
SDLHPFHEESTNQTFISCAPYP HSNEHPKIHSMASFLVFYVIPLSIISVYYYFIAKNLI
QS AYNLPVEGNIHVKKQIESRKRLAKTVLVFVGLFAFCWLPN HVIYLYRSYHYSEVD
TSMLEHVTICARLLAFTNSCVNPF ALYLLSKSFRKQFNTQLLCCQPGLIIRSHSTGR
STTCMTS LKSTNPSVATFSLINGNICHERYV

Purity Proprietary Purification

Storage Shipped on dry ice. Upon delivery aliquot and store at -80 centigrade. Avoid freeze / thaw cycles.

Storage Buffer pH: 8.00. Constituents: 0.79% Tris HCl, 0.31% Glutathione.

GENE INFORMATION

Gene Name GRPR gastrin-releasing peptide receptor [Homo sapiens]

Official Symbol GRPR

Synonyms GRPR; gastrin-releasing peptide receptor

Gene ID 2925

mRNA Refseq NM_005314

Protein Refseq NP_005305

MIM 305670

UniProt ID P30550

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