Human GRPR Full-Length Bioactive Membrane Protein

HDFP099

Product Information

Product SKU:
HDFP099

Size:
10µg

Molecular Weight:
The human full length GRPR protein has a MW of 43.2 kDa

Expression System:
HEK293

Uniprot:
P30550

Target:
GRPR

Antibody Information

Background:
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, Jul 2008]

Description:
Human GRPR full length protein-synthetic nanodisc

Protein Family:
Druggable Genome, GPCR, Transmembrane

Protein Pathways:
Calcium signaling pathway, Neuroactive ligand-receptor interaction

Synonyms:
BB2; BB2R; BRS2

Storage:
Store at -20°C to -80°C for 12 months in lyophilized form. After reconstitution, if not intended for use within a month, aliquot and store at -80°C (Avoid repeated freezing and thawing). Lyophilized proteins are shipped at ambient temperature.

Usage:
Research use only

Form:
Lyophilized from nanodisc solubilization buffer (20 mM Tris-HCl, 150 mM NaCl, pH 8.0). Normally 5% - 8% trehalose is added as protectants before lyophilization. Please see Certificate of Analysis for specific instructions.

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