

32-18205: Recombinant Human GRPR Protein, hFc Tag

Uniprot ID : P30550

Alternative Name : BB2; BB2R; BRS2

Description

Molecular Characterization: GRPR(Met1-Gly38) hFc(Glu99-Ala330)

Molecular weight: The protein has a predicted molecular mass of 30.4 kDa after removal of the signal peptide. The apparent molecular mass of GRPR-hFc is approximately 35-55 kDa due to glycosylation.

Description: Recombinant Human GRPR Protein with C-terminal human Fc tag

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.

Product Info

Amount : 100 µg / 50 µg

Content : Lyophilized from sterile PBS, pH 7.4. Normally 5 % - 8% trehalose is added as protectants before lyophilization.

Storage condition : 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.