

PRODUCT INFORMATION

GRPR **Target**

Synonyms BB2;BB2R;BRS2

Recombinant Human GRPR Protein with C-**Description**

terminal human Fc tag

Delivery In Stock **Uniprot ID** P30550 **Expression Host HEK293**

Tag C-Human Fc Tag

Molecular

Storage & Shipping

Background

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

The protein has a predicted molecular mass of **Molecular Weight**

30.4 kDa after removal of the signal peptide. The apparent molecular mass of GRPR-hFc is

approximately 35-55 kDa due to glycosylation. The purity of the protein is greater than 95% as determined by SDS-PAGE and Coomassie blue

Purity

staining.

Lyophilized from sterile PBS, pH 7.4. Normally 5 % - 8% trehalose is added as protectants before lyophilization. Please see Certificate of Analysis Formulation & Reconstitution

for specific instructions of reconstitution.

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.

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 gastrinreleasing 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 transiocation between chromosome 8 and a chromosome X breakpoint located within

the gastrin-releasing peptide receptor gene. [provided by RefSeq, Jul 2008]

Usage Research use only Conjugate Unconjugated

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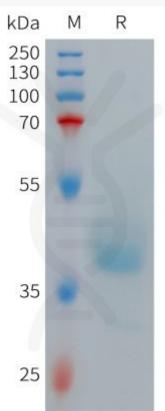


Figure 1.Human GRPR Protein, hFc Tag on SDS-PAGE under reducing condition.

