

PRODUCT INFORMATION

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| Target | GRPR |
| Synonyms | BB2;BB2R;BRS2 |
| Description | Recombinant Human GRPR Protein with C-terminal human Fc tag |
| Delivery | In Stock |
| Uniprot ID | P30550 |
| Expression Host | HEK293 |
| Tag | C-Human Fc Tag |
| 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. |
| Purity | The purity of the protein is greater than 95% as determined by SDS-PAGE and Coomassie blue staining. |
| Formulation & Reconstitution | Lyophilized from sterile PBS, pH 7.4. Normally 5 % - 8% trehalose is added as protectants before lyophilization. Please see Certificate of Analysis for specific instructions of reconstitution. |
| Storage&Shipping | 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. |
| 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] |
| Usage | Research use only |
| Conjugate | Unconjugated |





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

