

PRODUCT INFORMATION

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| Target | LGR5 |
| Synonyms | FEX; HG38; GPR49; GPR67; GRP49 |
| Description | Recombinant human LGR5(447-561) Protein with C-terminal human Fc tag |
| Delivery | In Stock |
| Uniprot ID | O75473 |
| Expression Host | HEK293 |
| Tag | C-Human Fc tag |
| Molecular Characterization | LGR5(His447-Arg561) hFc(Glu99-Ala330) |
| Molecular Weight | The protein has a predicted molecular mass of 39.2 kDa after removal of the signal peptide. The apparent molecular mass of LGR5(447-561)-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 | The protein encoded by this gene is a leucine-rich repeat-containing receptor (LGR) and member of the G protein-coupled, 7-transmembrane receptor (GPCR) superfamily. The encoded protein is a receptor for R-spondins and is involved in the canonical Wnt signaling pathway. This protein plays a role in the formation and maintenance of adult intestinal stem cells during postembryonic development. Several transcript variants encoding different isoforms have been found for this gene. [provided by RefSeq, Sep 2015] |
| Usage | Research use only |
| Conjugate | Unconjugated |



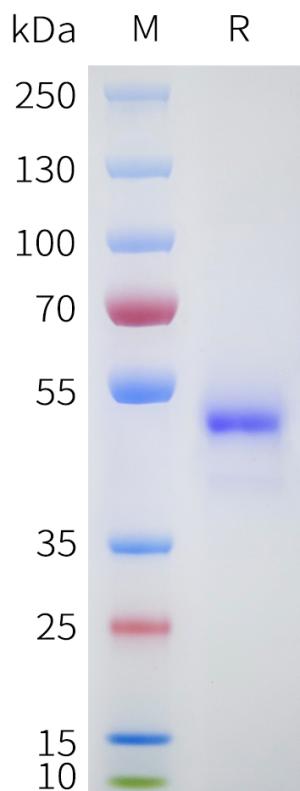


Figure 1. Human LGR5(447-561) Protein, hFc Tag on SDS-PAGE under reducing condition.

