

PRODUCT INFORMATION

Target LGR5

FEX; HG38; GPR49; GPR67; GRP49 **Synonyms**

Recombinant human LGR5 Protein with C-**Description**

terminal human Fc tag

Delivery In Stock **Uniprot ID** 075473 **Expression Host HEK293**

Tag C-Human Fc tag

Molecular

Purity

Background

LGR5(Gly22-Arg561) hFc(Glu99-Ala330) Characterization

The protein has a predicted molecular mass of **Molecular Weight** 86.5 kDa after removal of the signal peptide.

The purity of the protein is greater than 95% as determined by SDS-PAGE and Coomassie blue

staining.

Lyophilized from sterile PBS, pH 7.4. Normally 5 % – 8% trehalose is added as protectants before Formulation &

lyophilization. Please see Certificate of Analysis 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). Storage & Shipping

Lyophilized proteins are shipped at ambient

temperature.

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

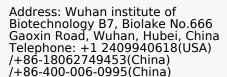
adult intestinal stem cells during postembryonic development. Several transcript variants

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encoding different isoforms have been found for this gene. [provided by RefSeq, Sep 2015]

Usage Research use only

Conjugate Unconjugated







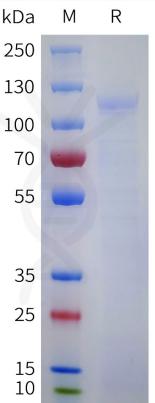


Figure 1. Human LGR5 Protein, hFc Tag on SDS-PAGE under reducing condition.

Human LGR5(22-561), hFc Tagged protein ELISA

0.2 μg of Human RSPO1(21-263), His tagged protein per well

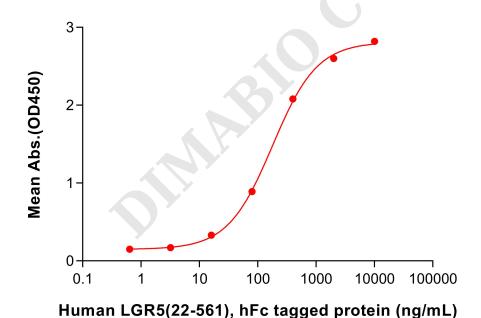


Figure 2. ELISA plate pre-coated by 2 μ g/mL (100 μ L/well) Human RSPO1(21-263) Protein, His Tag (PME100779) can bind Human LGR5(22-561) Protein, hFc Tag (PME101756) in a linear range of 80-400 ng/mL.

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