

PRODUCT INFORMATION

Target LGR4

Synonyms BNMD17;GPR48

Recombinant Human LGR4 with C-terminal **Description**

human Fc tag

Delivery In Stock **Uniprot ID** Q9BXB1 **Expression Host HEK293**

Tag C-Human Fc Tag

Molecular

Background

LGR4(Ala25-Thr544) hFc(Glu99-Ala330) Characterization

The protein has a predicted molecular mass of

83.3 kDa after removal of the signal peptide. The apparent molecular mass of LGR4-hFc is **Molecular Weight**

approximately 100-130 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 Storage & Shipping at -80°C (Avoid repeated freezing and thawing). Lyophilized proteins are shipped at ambient

temperature.

The protein encoded by this gene is a G-protein coupled receptor that binds R-spondins and activates the Wnt signaling pathway. This Wnt signaling pathway activation is necessary for proper development of many organs of the body. [provided by RefSeq, Oct 2016]

Usage Research use only Conjugate Unconjugated









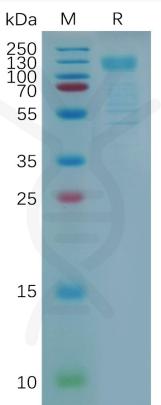
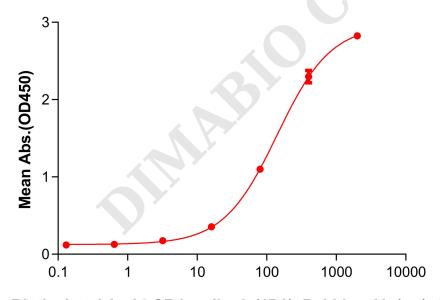


Figure 1. Human LGR4 Protein, hFc Tag on SDS-PAGE under reducing condition.

Human LGR4 Protein, hFc Tag ELISA

0.2 μg of Human LGR4, hFc tagged protein per well



Biotinylated Anti-LGR4 antibody(1D9), Rabbit mAb (ng/mL)

Figure 2. ELISA plate pre-coated by 2 μ g/mL (100 μ L/well) Human LGR4 Protein, hFc tag (PME100669) can Biotinylated Anti-LGR4 antibody(1D9), Rabbit mAb (DME101188B) in a linear range of 80-400 ng/mL.

