HUMAN LGR4 PROTEIN, HFC TAG

Cat.#: 11465

Product Name: Human LGR4 Protein

Size : 10 μg, 50 μg and 100 μg

Synonyms: BNMD17;GPR48

Target: LGR4

UNIPROT ID: Q9BXB1

Description: Recombinant Human LGR4 with C-terminal human Fc tag

Background: 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]

Species/Host: HEK293

Molecular Weight: 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 approximately 100-130 kDa due to glycosylation.

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

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

Formulation & Reconstitution: Lyophilized from nanodisc solubilization buffer (20 mM Tris-HCl, 150 mM NaCl, pH 8.0). Normally 5% – 8% trehalose is added as protectants before lyophilization.

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.

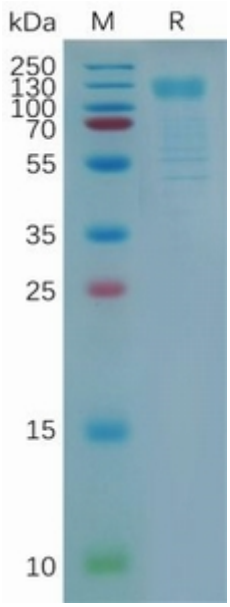

Figure 1. Human LGR4 Protein, hFc Tag on SDS-PAGE under reducing condition.