

## 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.

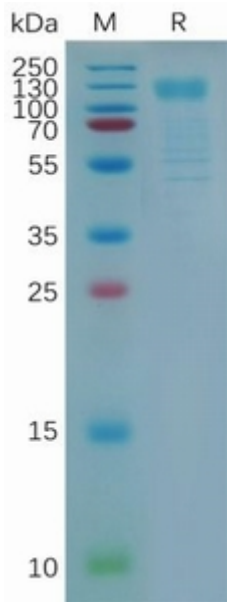


Figure 1. Human LGR4 Protein, hFc Tag on SDS-PAGE under reducing condition.