

LGR4 Protein, Human, Recombinant (hFc)

General Information

Synonyms:	BNMD17;LGR4;GPR48;DPSL
Protein Construction:	A DNA sequence encoding the Human Lgr4 (NP_060960.2) (Met1-Thr544) was expressed with the Fc region of human IgG1 at the C-terminus.
Species:	Human
Expression Host:	HEK293 Cells
Accession:	Q9BXB1-1
Molecular Weight:	83.92 kDa (predicted); 109.1 kDa (reducing condition)

QC Testing

Biological Activity:	Immobilized R-Spondin 3/RSPO3 Protein, Human, Recombinant (aa 33-272, His) (Cat#TMPY-07057) at 2 µg/mL (100 µL/well) can bind LGR4 Protein, Human, Recombinant (hFc) (Cat#TMPY-07130), the EC50 is 60-180 ng/mL.
Purity:	≥ 90% as determined by SDS-PAGE. ≥ 90% as determined by SEC-HPLC.
Endotoxin:	< 1.0 EU/µg of the protein as determined by the LAL method.
Formulation:	Lyophilized from sterile PBS, pH 7.4. Please contact us for any concerns or special requirements. Normally 5 % - 8 % trehalose, mannitol and 0.01% Tween 80 are added as protectants before lyophilization. Please refer to the specific buffer information in the hardcopy of datasheet or the lot-specific COA.

Preparation and Storage

Reconstitution:

Please refer to the lot-specific COA.

Stability & Storage:

It is recommended to store recombinant proteins at -20°C to -80°C for future use. Lyophilized powders can be stably stored for over 12 months, while liquid products can be stored for 6-12 months at -80°C. For reconstituted protein solutions, the solution can be stored at -20°C to -80°C for at least 3 months. Please avoid multiple freeze-thaw cycles and store products in aliquots.

Actual storage temperature shall be subject to the COA.

Shipping:

In general, lyophilized powders are shipped with blue ice, while solutions are shipped with dry ice.

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

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