

Recombinant Mouse LGR5 Protein, His-Tagged

Cat. No. LGR5-9087M Lot. No. (See product label)

SPECIFICATION

Product Overview	Recombinant Mouse LGR5 protein(Ser23~Ser316)(NP_034325.2) was fused to His Tag and expressed in E.coli.
Species	Mouse
Source	E.coli
ProteinLength	Ser23~Ser316
Description	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.
Form	PBS, pH7.4, containing 0.01% SKL, 1mM DTT, 5% Trehalose and Proclin300.
Molecular Mass	33kDa(Analysis of differences refer to the manual)
Endotoxin	<1.0EU per 1g (determined by the LAL method)
Purity	> 95%
Applications	Positive Control; Immunogen; SDS-PAGE; WB.If bio-activity of the protein is needed, please check active protein.

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Stability The thermal stability is described by the loss rate. The loss rate was determined by accelerated thermal degradation test, that is, incubate the protein at 37°C for 48h, and no obvious degradation and precipitation were observed. The loss rate is less than 5% within the expiration date under appropriate storage condition.

Storage Avoid repeated freeze/thaw cycles. Store at 2-8°C for one month. Aliquot and store at -80°C for 12 months.

Reconstitution Reconstitute in PBS or others.

GENE INFORMATION

Gene Name [LGR5](#)

Official Symbol [LGR5](#)

Synonyms FEX; GPR49; GPR67; HG38; G Protein-Coupled Receptor 49

Gene ID [14160](#)

mRNA Refseq [NM_010195.2](#)

Protein Refseq [NP_034325.2](#)

UniProt ID [Q9Z1P4](#)

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