

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