

Recombinant Mouse Lgr4 Protein, His-tagged

Cat. No. Lgr4-1736M **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Mouse Lgr4 Protein (Glu106-Gln340) with N-His tag was expressed in E. coli.
Species	Mouse
Source	E.coli
ProteinLength	Glu106-Gln340
Description	Enables transmembrane signaling receptor activity. Involved in several processes, including metanephros development; regulation of gene expression; and regulation of signal transduction. Acts upstream of or within several processes, including epithelial cell proliferation involved in renal tubule morphogenesis; intestinal stem cell homeostasis; and male genitalia development. Is integral component of plasma membrane. Is expressed in several structures, including alimentary system; eye; metanephros; nasal process; and testis. Used to study glaucoma. Human ortholog(s) of this gene implicated in osteoporosis. Orthologous to human LGR4 (leucine rich repeat containing G protein-coupled receptor 4).
Form	Freeze-dried powder
Molecular Mass	Predicted Molecular Mass: 29.5 kDa Accurate Molecular Mass: 30 kDa
Purity	> 90%

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Applications	Positive Control; Immunogen; SDS-PAGE; WB.
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 centigrade 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 centigrade for one month. Aliquot and store at -80 centigrade for 12 months.
Storage Buffer	PBS, pH7.4, containing 0.01% SKL, 1mM DTT, 5% Trehalose and Proclin300.
Reconstitution	Reconstitute in PBS or others.

GENE INFORMATION

Gene Name	Lgr4 leucine-rich repeat-containing G protein-coupled receptor 4 [Mus musculus (house mouse)]
Official Symbol	Lgr4
Synonyms	LGR4; leucine-rich repeat-containing G protein-coupled receptor 4; leucine-rich repeat-containing G-protein coupled receptor 4; G protein-coupled receptor 48; G-protein coupled receptor 48; G protein-coupled receptor GPR48; Gpr48; 9130225G07; A330106J01Rik; A930009A08Rik;
Gene ID	107515
mRNA Refseq	NM_172671
Protein Refseq	NP_766259

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UniProt ID

A2ARI4

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