

Recombinant Human LGR5 Protein, His-tagged

Cat. No. LGR5-2392H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Human LGR5 Protein (Lys107-Val296) with a N-His tag was expressed in E. coli.
Species	Human
Source	E.coli
ProteinLength	Lys107-Val296
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. Several transcript variants encoding different isoforms have been found for this gene.
Form	Freeze-dried powder
Molecular Mass	Predicted Molecular Mass: 25.2 kDa Accurate Molecular Mass: 25 kDa
Endotoxin	<1.0 EU per 1g (determined by the LAL method).
Purity	> 95%

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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	20mM Tris, 150mM NaCl, pH8.0, containing 1mM EDTA, 1mM DTT, 0.01% SKL, 5% Trehalose and Proclin300.
Reconstitution	Reconstitute in 20mM Tris, 150mM NaCl (pH8.0) to a concentration of 0.1-1.0 mg/mL. Do not vortex.

GENE INFORMATION

Gene Name	LGR5 leucine-rich repeat containing G protein-coupled receptor 5 [Homo sapiens (human)]
Official Symbol	LGR5
Synonyms	LGR5; leucine-rich repeat containing G protein-coupled receptor 5; G protein coupled receptor 49, GPR49, GPR67, leucine rich repeat containing G protein coupled receptor 5; leucine-rich repeat-containing G-protein coupled receptor 5; FEX; HG38; G-protein coupled receptor 49; G-protein coupled receptor 67; G-protein coupled receptor HG38; orphan G protein-coupled receptor HG38; leucine-rich repeat-containing G protein-coupled receptor 5; GPR49; GPR67; GRP49; MGC117008;
Gene ID	8549

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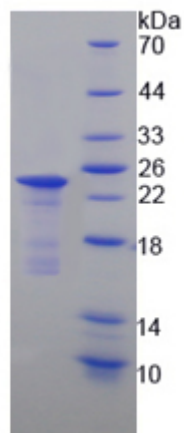
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mRNA Refseq NM_003667

Protein Refseq NP_003658

MIM 606667

UniProt ID O75473



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