Recombinant Human LGR5 protein, His-Avi-tagged

Cat. No. LGR5-549H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Human LGR5 Protein is expressed from mammalian with His Tag and Avi Tag at the C-terminal. It contains Gly22-Ile560.
Species	Human
Source	HEK293
ProteinLength	Gly22-Ile560
Description	Lgr5 (leucine-rich repeat G-protein coupled receptor 5), also called GPR49, is a seven-transmembrane glycoprotein receptor in the Lgr family of cell surface receptors. Lgr5 is receptor for R-spondins that potentiates the canonical Wnt signaling pathway and acts as a stem cell marker of the intestinal epithelium and the hair follicle. Upon binding to R-spondins (RSPO1, RSPO2, RSPO3 or RSPO4), associates with phosphorylated LRP6 and frizzled receptors that are activated by extracellular Wnt receptors, triggering the canonical Wnt signaling pathway to increase expression of target genes.
Form	Supplied as 0.22um filtered solution in PBS (pH 7.4).
Molecular Mass	The protein has a predicted MW of 63.1 kDa.
Endotoxin	Less than 1EU per ug by the LAL method.
Storage	The product should be stored at -70°C. Please do not repeated freeze-thaw cycles.

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GENE INFORMATION

Gene Name	LGR5
Official Symbol	LGR5
Synonyms	GRP49; leucine-rich repeat-containing G-protein coupled receptor 5; FEX; G protein-coupled receptor 49; GPR49; GPR49G-protein coupled receptor HG38; GPR67; G-protein coupled receptor 49; G-protein coupled receptor 67; HG38; leucine-rich repeat containing G protein-coupled receptor 5; leucine-rich repeat-containing G protein-coupled receptor 5;Lgr5; MGC117008; orphan G protein-coupled receptor HG38
Gene ID	8549
mRNA Refseq	NM_003667.2
Protein Refseq	NP_003658.1
MIM	606667
UniProt ID	O75473

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