Recombinant Human LGR5 HEK293T cell lysate

Cat. No. LGR5-12HCL **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Human LGR5 was derived from Human HEK293T cell line.
Species	Human
Source	HEK293
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	The cell lysate is provided in RIPA buffer.
Molecular Mass	99.8 kDa
Usage	1 vial of 100 µg gene specific transient over-expression cell lysate in RIPA buffer1 vial of 100 µg empty vector transfected control cell lysate in RIPA buffer1 vial of 250ul 2xSDS Sample Buffer (4% SDS, 125mM Tris-HCl pH6.8, 10% Glycerol, 0.002% Bromphenol blue, 100mM DTT)
Storage	The lysate is shipped with dry ice. Upon receiving, store the sample at -20 centigrade. Lysate samples are stable for 12 months from date of receipt when stored at -20 centigrade. Avoid repeated freeze-thaw cycles.Lysate samples can be diluted with

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	2xSDS Sample Buffer provided. After dilution, the protein sample should be aliquoted and stored at -20 centigrade for long term storage. Prior to SDS-PAGE fractionation, boil the lysate for 5 minutes.

GENE INFORMATION

Gene Name	LGR5 leucine-rich repeat containing G protein-coupled receptor 5 [Homo sapiens]
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
mRNA Refseq	NM_003667
Protein Refseq	NP_003658
MIM	606667
UniProt ID	O75473
Chromosome Location	12q22-q23
Function	G-protein coupled receptor activity; protein-hormone receptor activity; receptor

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	activity; signal transducer activity;

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