

Leucine-rich repeat-containing G-protein coupled receptor 5 (LGR5) Recombinant Protein | LGR5 recombinant protein

Recombinant Human Leucine-rich repeat-containing G-protein coupled receptor 5 (LGR5), partial

CATALOG # AAA18700	HOST E Coli or Yeast or Baculovirus or Mammalian Cell
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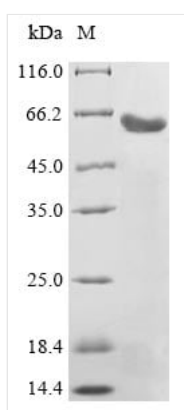
PRODUCT SYNONYMS

Leucine-rich repeat-containing G-protein coupled receptor 5 (LGR5); Recombinant Human Leucine-rich repeat-containing G-protein coupled receptor 5 (LGR5); partial; G-protein coupled receptor 49; G-protein coupled receptor 67; G-protein coupled receptor HG38; LGR5 recombinant protein

PRODUCT SPECIFICATIONS

Host	E Coli or Yeast or Baculovirus or Mammalian Cell
Purity/Purification	Greater or equal to 85% purity as determined by SDS-PAGE.
Form/Format	Lyophilized or liquid (Format to be determined during the manufacturing process)
Sequence Positions	22-561aa; partial
Sequence	GSSPRSGVLL RGCPTHCHCE PDGRMLLRVD CSDLGLSELP SNLSVFSTSYL DLSMNNISQL LPNPLPSLRF LEELRLAGNA LTYIPKGAF GLYSLKVLML QNNQLRHVPT EALQNLRS LQ SLRLDANHIS YVPPSCFSG L HSLRHLWLDD NALTEIPVQA FRSLSALQAM TLALNKIHHI PDYAFGNLSS LVVLHLHNNR IHS LGKKCFD GLHSLETLDL NYNNLDEFPT AIRTLNLKE LGFHSNNIRS IPEKAFVGNP SLTIHFYDN PIQFVGRSAF QHLPELRTL LNGASQITEF PDLTG TANLE SLTLTGAQIS SLPQTVCNQL PNLQVLDLSY NLLEDLP SFS VCQKLQKIDL RHNEIYEIKV DTFQQLSLR SLNLAWN KIA IHPNAFSTL PSLIKDLSS NLLSSFPITG LHGLTHL KLT GNHALQSLIS SENFPEL KVI EMPYAYQCCA FGVCENAYKI SNQWNKGDNS SMDDLHKKDA GMFQAQDERD LEDFLDFEE DLKALHSVQC SPSPGPFKPC EHLLDGWLIR
Preparation and Storage	Store at -20 degree C, for extended storage, conserve at -20 degree C or -80 degree C.

IMAGES



SDS-PAGE

ADDITIONAL INFORMATION

Related Product Information for LGR5 recombinant protein	Receptor for R-spondins that potentiates the canonical Wnt signaling pathway and acts as a st 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. In contrast to classical G-protein coupled receptors, does not activate heterotrimeric G-proteins to transduce the signal. Involved in the development and/or maintenance of the adult intestinal st cells during postembryonic development.
Product Categories/Family for LGR5 recombinant protein	Cancer

References

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NCBI AND UNIPROT INFORMATION

NCBI GI #	469608414
NCBI GeneID	8549
NCBI Accession #	NP_001264155.1

NCBI GenBank Nucleotide #	NM_001277226.1
UniProt Accession #	O75473 ; Q4VAM0 ; Q4VAM2 ; Q9UP75 ; D8MCT0
Molecular Weight	62.4 kDa
NCBI Official Full Name	leucine-rich repeat-containing G-protein coupled receptor 5 isoform 2
NCBI Official Synonym Full Names	leucine-rich repeat containing G protein-coupled receptor 5
NCBI Official Symbol	LGR5
NCBI Official Synonym Symbols	FEX; HG38; GPR49; GPR67; GRP49
NCBI Protein Information	leucine-rich repeat-containing G-protein coupled receptor 5
UniProt Protein Name	Leucine-rich repeat-containing G-protein coupled receptor 5
UniProt Gene Name	LGR5
UniProt Synonym Gene Names	GPR49; GPR67
UniProt Entry Name	LGR5_HUMAN

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

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