

Leucine Rich Repeat Containing G Protein Coupled Receptor 5 Recombinant Protein | LGR5 recombinant protein

Recombinant Leucine Rich Repeat Containing G Protein Coupled Receptor 5 (LGR5)

CATALOG # AAA150284	HOST E.coli	REACTIVITY Mus musculus (Mouse)	APPLICATIONS Western Blot, SDS-Page
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PRODUCT SYNONYMS

Leucine Rich Repeat Containing G Protein Coupled Receptor 5; Recombinant Leucine Rich Repeat Containing G Protein Coupled Receptor 5 (LGR5); FEX; GPR49; GPR67; HG38; G Protein-Coupled Receptor 49; LGR5 recombinant protein

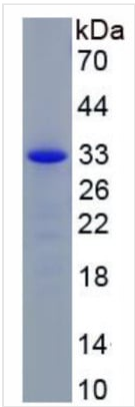
PRODUCT SPECIFICATIONS

Host	E.coli
Reactivity	Mus musculus (Mouse)
Purity/Purification	> 95%
Form/Format	20mM Tris, 150mM NaCl, pH8.0, containing 0.01% skl, 5%Trehalose.
Concentration	Original Concentration: 200ug/mL (varies by lot)
Applicable Applications for LGR5 recombinant protein	WB (Western Blot), SDS-PAGE, Immunogen, Positive Control
Source	Prokaryotic expression
Residues	Ser23~Ser316
Tags	N-terminal His Tag
Subcellular Location	Membrane
Traits	Freeze-dried powder
Predicted isoelectric point	6.5
Usage	Reconstitute in 20mM Tris, 150mM NaCl (pH8.0) to a concentration of 0.1-1.0 mg/mL. Do not vortex.
Preparation and Storage	Storage: Avoid repeated freeze/thaw cycles. Store at 2-8 degree C for one month. Aliquot and store at -80 degree C for 12 months. Stability Test: 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 degree C 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.

IMAGES

SSPGPDAT PRGQPSKHC ELGDMRLRV DCSGLGSEL PSNLSVFTSY LDISMNISSQ LPASLLHRLC FLEELRLAQN
ALTHEPKGAF TGLHSLKVLK LQNNLRQVP EEALQNLRSI QSLRLDANMI SYVPPSCFSG LHSRLHMLD DNALTDVPVQ
AFRLSALQA MTLALNKHV IADVAFQALS SLVLHLHNN RHSLQKKCF DGLHSLETLD LNNYLDEFP TATKLSNLK
ELGHSNNIR SIPERAFVGN PSLITTHFYD NPQFVGUSA FQHLPERTL TLNGAS

Application Data
Sequence



SDS-PAGE

ADDITIONAL INFORMATION

Product Categories/Family for LGR5 recombinant protein	CD & Adhesion molecule
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NCBI AND UNIPROT INFORMATION

NCBI GI #	110624772
NCBI GeneID	14160
NCBI Accession #	NP_034325.2
NCBI GenBank Nucleotide #	NP_034325.2
UniProt Accession #	Q9Z1P4
Molecular Weight	Predicted Molecular Mass: 36.3kDa Accurate Molecular Mass: 33kDa as determined by SDS-PAGE reducing conditions.
NCBI Official Full Name	leucine-rich repeat-containing G-protein coupled receptor 5
NCBI Official Synonym Full Names	leucine rich repeat containing G protein coupled receptor 5
NCBI Official Symbol	Lgr5
NCBI Official Synonym Symbols	FEX; Gpr49
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	Fex; Gpr49
UniProt Entry Name	LGR5_MOUSE

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.