

Product datasheet for **TP762667**

LGR5 (NM_003667) Human Recombinant Protein

Product data:

Product Type:	Recombinant Proteins
Description:	Purified recombinant protein of Human leucine-rich repeat containing G protein-coupled receptor 5 (LGR5), 22Gly-561Arg
Species:	Human
Expression Host:	E. coli
Expression cDNA Clone or AA Sequence:	A DNA sequence encoding the region(22Gly-561Arg) of LGR5
Tag:	N-His
Predicted MW:	60.4 kDa
Concentration:	>0.05 µg/µL as determined by microplate BCA method
Purity:	> 80% as determined by SDS-PAGE and Coomassie blue staining
Buffer:	25 mM Tris-HCl, pH 8.0, 150 mM NaCl, 1% sarkosyl, 10% glycerol
Note:	For testing in cell culture applications, please filter before use. Note that you may experience some loss of protein during the filtration process.
Storage:	Store at -80°C after receiving vials.
Stability:	Stable for 12 months from the date of receipt of the product under proper storage and handling conditions. Avoid repeated freeze-thaw cycles.
RefSeq:	NP_003658
Locus ID:	8549
UniProt ID:	O75473 , A0A0A8K8C7
RefSeq Size:	2880
Cytogenetics:	12q21.1
RefSeq ORF:	2721
Synonyms:	FEX; GPR49; GPR67; GRP49; HG38



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Summary:

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. [provided by RefSeq, Sep 2015]

Protein Families:

Druggable Genome, GPCR, Transmembrane

Product images:

Purified recombinant protein LGR5 was analyzed by SDS-PAGE gel and Coomassie Blue Staining.