

## Product datasheet for **TP700187**

### LGR5 (NM\_003667) Human Recombinant Protein

#### Product data:

Product Type:	Recombinant Proteins
Description:	Purified recombinant protein of Homo sapiens leucine-rich repeat containing G protein-coupled receptor 5 (LGR5), residues 447-561 aa, with C-terminal Fc tag, expressed in HEK293 cells.
Species:	Human
Expression Host:	HEK293T
Expression cDNA Clone or AA Sequence:	A DNA sequence from TrueORF clone, RC212825, encoding the extracellular domain (His447 - Arg561) of human leucine-rich repeat containing G protein-coupled receptor 5 (LGR5)
Tag:	C-Fc
Predicted MW:	38 kDa
Concentration:	>0.05 µg/µL as determined by microplate BCA method
Purity:	> 80% as determined by SDS-PAGE and Coomassie blue staining
Buffer:	PBS, pH 7.4, 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.
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:	<a href="#">NP_003658</a>
Locus ID:	8549
UniProt ID:	<a href="#">O75473</a>
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:**