

## 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> , <a href="#">A0A0A8K8C7</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:**