

## Active Recombinant Human LGR5 protein, His-tagged

**Cat. No.** LGR5-2113H    **Lot. No.** (See product label)

### SPECIFICATION

|                         |                                                                                                                                                                     |
|-------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Product Overview</b> | Recombinant Human LGR5 protein(NP_003658.1)(Gly 22 - Arg 561), fused with His tag, was expressed in HEK293.                                                         |
| <b>Species</b>          | Human                                                                                                                                                               |
| <b>Source</b>           | HEK293                                                                                                                                                              |
| <b>ProteinLength</b>    | Gly 22 - Arg 561                                                                                                                                                    |
| <b>Form</b>             | PBS, pH7.4                                                                                                                                                          |
| <b>Bio-activity</b>     | Immobilized Human R-Spondin 3 at 2 µg/mL (100 µL/well) can bind Human LGR5, His Tag with a linear range of 5-39 ng/mL.                                              |
| <b>Molecular Mass</b>   | 62.0 kDa                                                                                                                                                            |
| <b>Endotoxin</b>        | Less than 1.0 EU per µg by the LAL method.                                                                                                                          |
| <b>Purity</b>           | >90% as determined by SDS-PAGE.                                                                                                                                     |
| <b>Storage</b>          | This product is stable after storage at:<br>-20°C to -70°C for 12 months in lyophilized state;<br>-70°C for 3 months under sterile conditions after reconstitution. |
| <b>Reconstitution</b>   | It is recommended to reconstitute the lyophilized powder in sterile water to 100-200                                                                                |

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ug/ml, and further dilute with other solvents. The dissolved protein can be stored at 4°C for 2-7 days and should be used up as soon as possible. If not in use for a short time, please store at -20°C.

## GENE INFORMATION

**Gene Name** LGR5 leucine-rich repeat containing G protein-coupled receptor 5 [ Homo sapiens ]

**Official Symbol** LGR5

**Synonyms**

LGR5; leucine-rich repeat containing G protein-coupled receptor 5; G protein coupled receptor 49 , GPR49, GPR67, leucine rich repeat containing G protein coupled receptor 5; leucine-rich repeat-containing G-protein coupled receptor 5; FEX; HG38; G-protein coupled receptor 49; G-protein coupled receptor 67; G-protein coupled receptor HG38; orphan G protein-coupled receptor HG38; leucine-rich repeat-containing G protein-coupled receptor 5; GPR49; GPR67; GRP49; MGC117008;

**Gene ID** 8549

**mRNA Refseq** NM\_003667

**Protein Refseq** NP\_003658

**MIM** 606667

**UniProt ID** O75473

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