

## Recombinant Human LGR5 protein(22-561aa), His-tagged

Cat. No. LGR5-294H Lot. No. (See product label)

### SPECIFICATION

<b>Product Overview</b>	Recombinant Human LGR5 protein(O75473)(22-561aa), fused with N-terminal His tag, was expressed in E. coli.
<b>Species</b>	Human
<b>Source</b>	E.coli
<b>ProteinLength</b>	22-561aa
<b>Form</b>	If the delivery form is liquid, the default storage buffer is Tris/PBS-based buffer, 5%-50% glycerol. If the delivery form is lyophilized powder, the buffer before lyophilization is Tris/PBS-based buffer, 6% Trehalose, pH 8.0.
<b>Molecular Mass</b>	64.4 kDa
<b>Purity</b>	Greater than 85% as determined by SDS-PAGE.
<b>Storage</b>	Store at -20°C/-80°C upon receipt, aliquoting is necessary for mutiple use. Avoid repeated freeze-thaw cycles.
<b>Reconstitution</b>	We recommend that this vial be briefly centrifuged prior to opening to bring the contents to the bottom. Please reconstitute protein in deionized sterile water to a concentration of 0.1-1.0 mg/mL. We recommend to add 5-50% of glycerol (final concentration) and aliquot for long-term storage at -20°C/-80°C.

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**AA Sequence**

GSSPRSGVLLRGCPHCHCEPDGRMLLRVDCSDLGLSELPSNLSVFVTSYLDLSMNN  
 ISQLLPNPLPSLRFLEELRLAGNALTYPKGAFTGLYSLKVLMLQNNQLRHVPTEALQ  
 NLRSLQSLRLDANHISYVPPSCFSGLHSLRHLWDDNALTEIPVQAFRSLQAMTL  
 ALNKIHHIPDYAFGNLSSLVVLHHLHNNRIHSLGKKCFDGLHSLETLDLNYNNLDEFPT  
 AIRTLSNLKELGFHSNNIRSIPEKAFVGNPSLITIHFYDNPIQFVGRSAFQHLPELRTL  
 LNGASQITEFPDLTGTANLESLTLTGAQISSLPQTVCNQLPNLQVLDLSYNLLEDLPS  
 FSVCQKLQKIDLRHNEIYEIKVDTFQQLLSLRSNLAWNKIAIHPNAFSTLPSLIKLDLS  
 SNLLSSFPITGLHGLTHLKLGTGNHALQSLISSENFPELKVIEMPYAYQCCAFGVCENA  
 YKISNQWNKGDNSSMDDLHKKDAGMFQAQDERDLEDFLDFEEDLKALHSVQCSP  
 SPGPFKPCHELLDGWLIR

**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](#)

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UniProt ID

O75473

SDS-PAGE

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