



Recombinant Human LGR5 Protein Product Manual

1. Product Basic Information

Product No.: REP07345

Protein Name: G-Protein Coupled Receptor 49 (LGR5)

Aliases: FEX; HG38; GPR49; GPR67; GRP49; G-protein coupled receptor 49; G-protein coupled receptor 67; G-protein coupled receptor HG38; orphan G protein-coupled receptor HG38

UniProt ID: O75473

UniProt Link: <https://www.uniprot.org/uniprotkb/O75473/entry>

Species Source: Homo sapiens (Human)

Expression System: E.coli

Protein Length: Extracellular Domain (22-561aa)

Molecular Weight: 65.4kDa

Protein Tag: N-terminal 10xHis-tagged and C-terminal myc-tagged

2. Amino Acid Sequence (22-561aa)

GSSPRSGVLLRGCPHCHCEPDGRMLLRVDCSDLGLSELPSNLSVFTSYLDLSMN
NISQLLPNPLPSLRFLEELRLAGNALTYPKGAFTGLYSLKVLMLQNNQLRHVPTEAL
QNLRSLSLRLDANHISYVPPSCFSGLSLRLHLWDDNALTEIPVQAFRSLSALQAM
TLALNKIHHIPDYAFGNLSSLVVLHLHNNRIHSLGKKCFDGLHSLETLDLNNNLDEF
PTAIRTLNLKELGFHSNNIRSIPEKAFVGNPSLITIHFYDNPIQFVGRSAFQHLPELR
TLTLNGASQITEFPDLTG TANLES LTLTGAQISSLPQTVCNQLPNLQVLDLSYNLLED
LPSFSVCQKLQKIDLRHNEIYEIKVDTFQQLLSLRSNLAWNKIAIHPNAFSTLPSLIK
LDLSSNLLSSFPITGLHGLTHLKL TGNHALQSLISSENFPELKVIEMPYAYQCCAFGV
CENAYKISNQWNKGDNSSMDDLHKKDAGMFAQQDERDLEDFLDFFEDLKLALHSV
QCSPSPGPFKPCHELLDGWLIR

3. Storage Buffer

Liquid Delivery Form: Tris-based buffer with 50% glycerol.

Lyophilized Powder Delivery Form: Pre-lyophilization buffer is Tris/PBS-based buffer containing 6% Trehalose.



4. Storage Conditions

Upon receipt, store the product at -20°C or -80°C. It is recommended to aliquot the protein for multiple uses to avoid repeated freeze-thaw cycles, which may cause protein denaturation and activity loss.

5. Product Description

This product is a recombinant Human LGR5 extracellular domain protein (22-561aa) expressed in E.coli. The protein is dual-tagged with 10xHis tag at the N-terminus and myc tag at the C-terminus, which facilitates protein purification, detection and identification. LGR5, also known as FEX or HG38 or GPR49, is suitable for related in vitro functional assays, protein interaction studies, antibody preparation and other biomedical research applications.

6. Notes

- Repeated freezing and thawing of the product is strictly prohibited to ensure protein stability and biological activity.
- For special buffer component requirements, please submit a note when purchasing.
- This product is only for scientific research use, not for clinical diagnosis, treatment or commercial production purposes.