

PRODUCT INFORMATION

C-Flag Tag Tag

Target LGR5

FEX; GPR49; GPR67; GRP49; HG38 **Synonyms**

Human LGR5 full length protein-synthetic **Description**

nanodisc **Delivery** In Stock **Uniprot ID** 075473 **Expression Host HEK293**

Druggable Genome, GPCR, Transmembrane **Protein Families**

Protein Pathways N/A

Background

The human full length LGR5 protein has a MW of **Molecular Weight**

100.0 kDa

Lyophilized from nanodisc solubilization buffer (20 mM Tris-HCl, 150 mM NaCl, pH 8.0). Normally 5% – 8% trehalose is added as protectants before Formulation & Reconstitution lyophilization. Please see Certificate of Analysis

for specific instructions of reconstitution. Store at -20°C to -80°C for 12 months in lyophilized form. After reconstitution, if not

intended for use within a month, aliquot and store at -80°C (Avoid repeated freezing and thawing). Storage & Shipping

Lyophilized proteins are shipped at ambient

temperature.

The protein 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.

Usage Research use only

Conjugate Unconjugated



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ELISA assay to evaluate LGR5-Nanodisc 0.2μg Human LGR5-Nanodisc per well

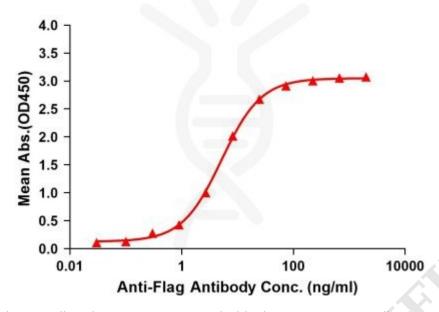


Figure 1. Elisa plates were pre-coated with Flag Tag LGR5-Nanodisc ($0.2\mu g/per$ well). Serial diluted anti-Flag monoclonal antibody solutions were added, washed, and incubated with secondary antibody before Elisa reading. From above data, the EC50 for anti-Flag monoclonal antibody binding with LGR5-Nanodisc is 5.199 ng/ml.



Figure 2. Human LGR5-Nanodisc, Flag Tag on SDS-PAGE



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