

HUMAN LGR5 FULL LENGTH PROTEIN

目录: 11054

产品名称: Human LGR5 Full Length Protein

规格: 10 µg, 50 µg and 100 µg

基因符号: FEX; GPR49; GPR67; GRP49; HG38

Target: LGR5

UNIPROT ID: O75473

描述: Human LGR5 full length protein-synthetic nanodisc

背景: 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.

Species/Host: HEK293

Molecular Weight: The human full length LGR5 protein has a MW of 100.0 kDa

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

储存和运输: 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). Lyophilized proteins are shipped at ambient temperature.

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

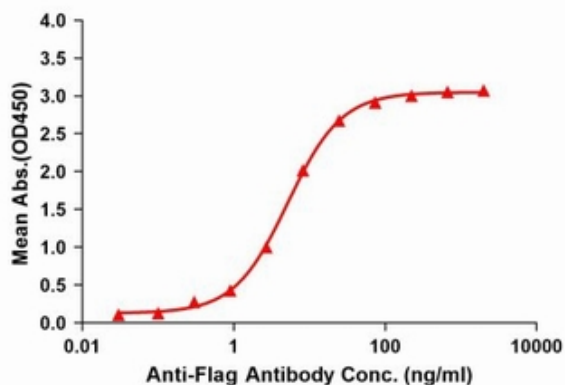


Figure1. Elisa plates were pre-coated with Flag Tag LGR5-Nanodisc (0.2 µg/per well). Serial diluted Flag monoclonal antibody solutions were added, washed, and incubated with secondary antibody before Elisa reading. From above data, the EC50 for Flag monoclonal antibody binding with LGR5-Nanodisc is 5.199ng/ml.

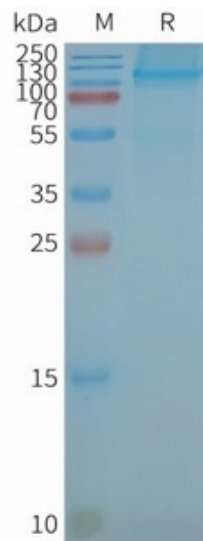


Figure2. Human LGR5-Nanodisc, Flag Tag on SDS-PAGE