HUMAN LGR5 FULL LENGTH PROTEIN

Cat.#: 11054
Product Name: Human LGR5 Full Length Protein
Size : 10 µg, 50 µg and 100 µg
Synonyms: FEX; GPR49; GPR67; GRP49; HG38
Target: LGR5
UNIPROT ID: O75473
Description: Human LGR5 full length protein-synthetic nanodisc
Background: 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.
Storage & Shipping: 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.

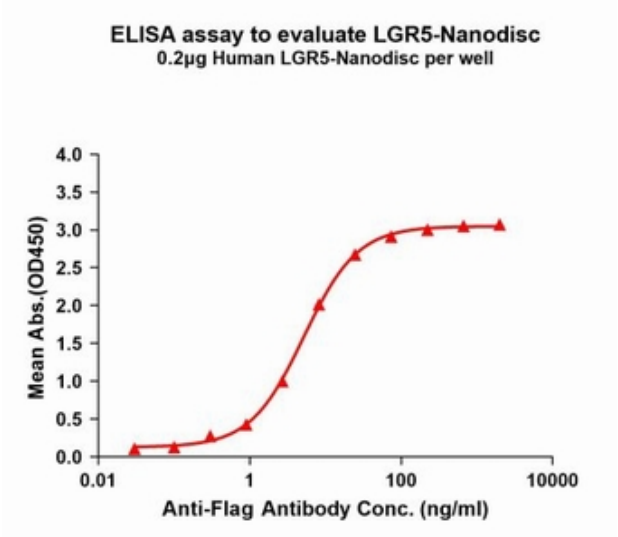

Figure1. Elisa plates were pre-coated with Flag Tag LGR5-Nanodisc (0.2 μg/per well). Serial diluted anti-Flag monoclonal antibody solutions were added, washed, and incubated with secondary antibody before Elisa reading. From above data, the EC50 for anti-Flag monoclonal antibody binding with LGR5-Nanodisc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

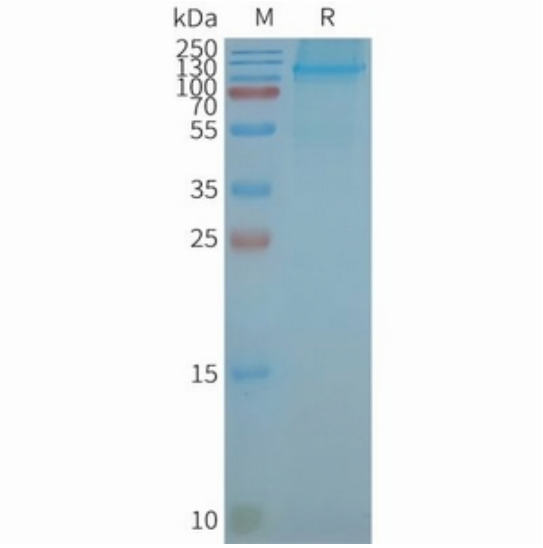

Figure2. Human LGR5-Nanodisc, Flag Tag on SDS-PAGE