

PRODUCT INFORMATION

\$hasAttributeValueDescription in C:\wwwroot\mirror.dimabio.com\wp-content\plugins\woocommerce-printcommerce-print-products-public.php on line 2806 Tag

BNMD17; GPR48

Human LGR4 full length protein-synthetic nanodisc

Delivery In Stock Uniprot ID O9BXB1 HEK293 **Expression Host**

Protein Families Druggable Genome, GPCR, Transmembrane

Protein Pathways

Background

Molecular Weigh The human full length LGR4 protein has a MW of 104.5 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 lyophilization. Please see Certificate of Analysis for specific instructions of reconstitution. Formulation & Reconstitution

Storage & Shipping

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, fro intended for use within a month, aliquot and store at -80°C (Avoid repeated freezing and thawing). Lyophilized proteins are shipped at ambient temperature. Receptor for R-spondins that potentiates the canonical Wht signaling pathway and is involved in the formation of various organs. Upon binding to R-sponding IRSPO1, RSPO2, RSPO3 or RSPO4), associates with phosphorylated LRP6 and frizzled receptors that are activated by extracellular Wint receptors, trigogering the canonical Wht signaling pathway to increase expression of target genes. In contrast to classical G-protein coupled receptors, does not activate heterotrimeric G-proteins to transduce the signal. Its function as activator of the Wnt signaling pathway is required for the development of various organs, including liver, kidney, intestine, bone, reproductive tract and eye.

Usage Research use only Unconjugated

ELISA assay to evaluate LGR4-Nanodisc 0.2µg Human LGR4-Nanodisc per well

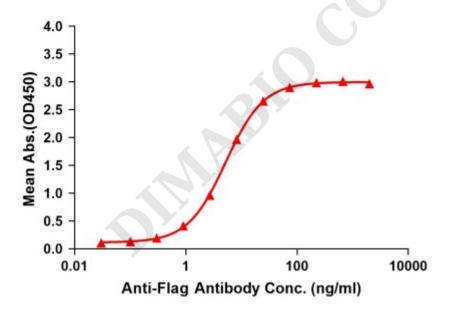
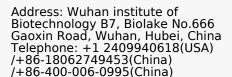


Figure 1. Elisa plates were pre-coated with Flag Tag LGR4-Nanodisc ($0.2\mu g/per$ well). Serial diluted anti-Flag monoclonal antibody solutions were added, washed, and incubated with secondary antibody before Elisa reading. From above data, the EC50 for anti-Flag monoclonal antibody binding with LGR4-Nanodisc is 5.224 ng/ml.



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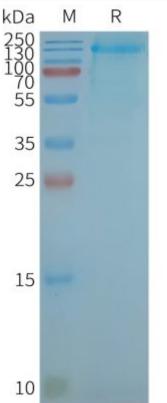


Figure 2. Human LGR4-Nanodisc, Flag Tag on SDS-PAGE



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