

Human LGR-4 Protein-Nanodisc



Cat. No. LGR-HM10N

Description	
Source	Valid for 6 months from date of receipt when stored at -80°C.
Accession	Q9BXB1-1
Molecular Weight	The protein has a predicted MW of 105.80 kDa.
Endotoxin	Less than 1EU per µg by the LAL method.

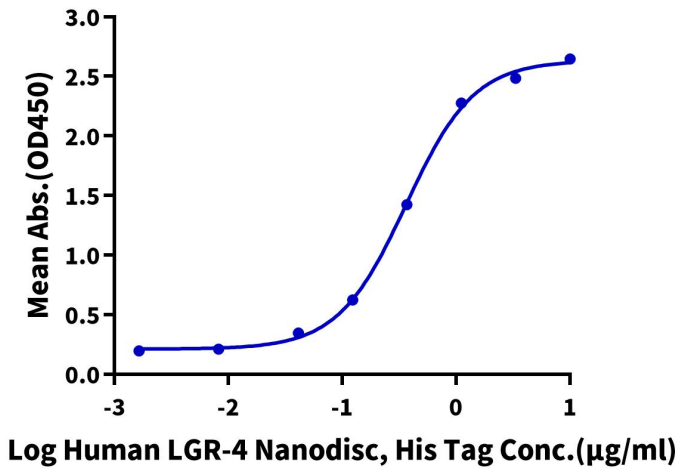
Formulation and Storage	
Formulation	Supplied as 0.22 µm filtered solution in PBS (pH 7.4). Notice: Not recommended for flow cytometry in mammalian cells.
Storage	Valid for 6 months from date of receipt when stored at -80°C. Recommend to aliquot the protein into smaller quantities for optimal storage. Please minimize freeze-thaw cycles.

Background	
Leucine-rich repeat-containing G protein-coupled receptor (LGR)-4 is a G protein-coupled receptor (GPCR) with a seven-transmembrane domain structure. LGRs are evolutionally and structurally phylogenetic, classified into three subgroups and are members of the so-called orphan receptors.	

Assay Data

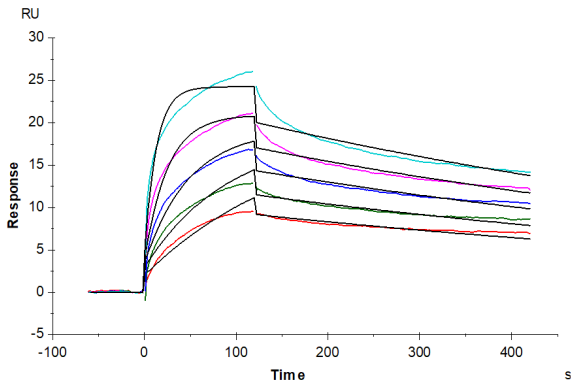
ELISA Data

Human LGR-4 Nanodisc, His Tag ELISA
0.5µg Human R-Spondin 3, hFc Tag Per Well



Immobilized Human R-Spondin 3, hFc Tag at 5µg/ml (100µl/well) on the plate. Dose response curve for Human LGR-4 Nanodisc, His Tag with the EC50 of 0.36µg/ml determined by ELISA (QC Test).

SPR Data



Human R Spondin 3, His Tag immobilized on CM5 Chip can bind Human LGR-4 Nanodisc, His Tag with an affinity constant of 0.40 nM as determined in SPR assay (Biacore T200).