Human LGR-4 Protein-Nanodisc

Cat. No. LGR-HM10N

Description

Source	Recombinant Human LGR-4 Protein-Nanodisc is expressed from HEK293 with His tag at the C-terminus.
	It contains Met1-Asp951.
Accession	Q9BXB1-1
Molecular Weight	The protein has a predicted MW of 105.80 kDa.
Endotoxin	Less than 1 EU per μg by the LAL method.

Formulation and Storage

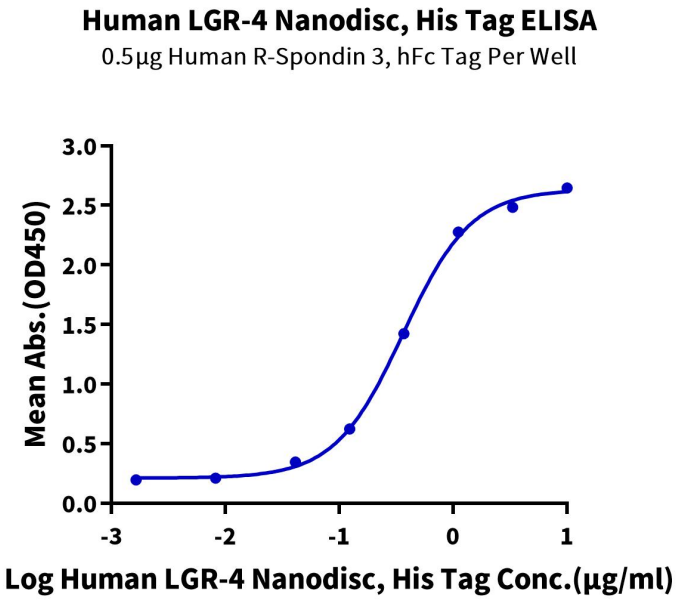
Formulation	Supplied as 0.22 μm filtered solution in PBS (pH 7.4). Notice: Not recommended for flow cytometry in mammalian cells.
Storage	Valid for 6 months from date of receipt when stored at -80°C. Recommend to aliquot the protein into smaller quantities for optimal storage. Please minimize freeze-thaw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

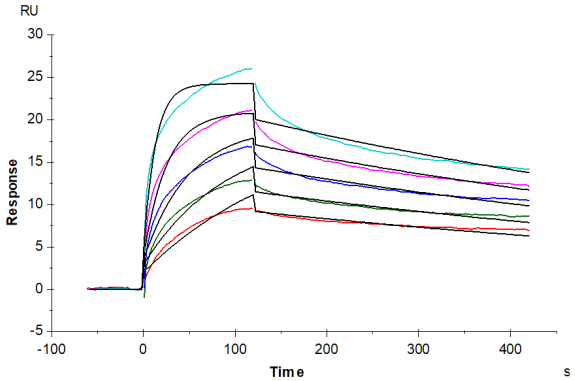
Assay Data

ELISA Data



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).

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