Human LGR-5 Protein-Nanodisc

Cat. No. LR5-HM1N157

Description

Source	Recombinant Human LGR-5 Protein-Nanodisc is expressed from HEK293 with His tag at the C-terminus.
	It contains Met1-Leu907.
Accession	O75473-1
Molecular Weight	The protein has a predicted MW of 101.35 kDa.
Endotoxin	Less than 1 EU per μg by the LAL method.

Formulation and Storage

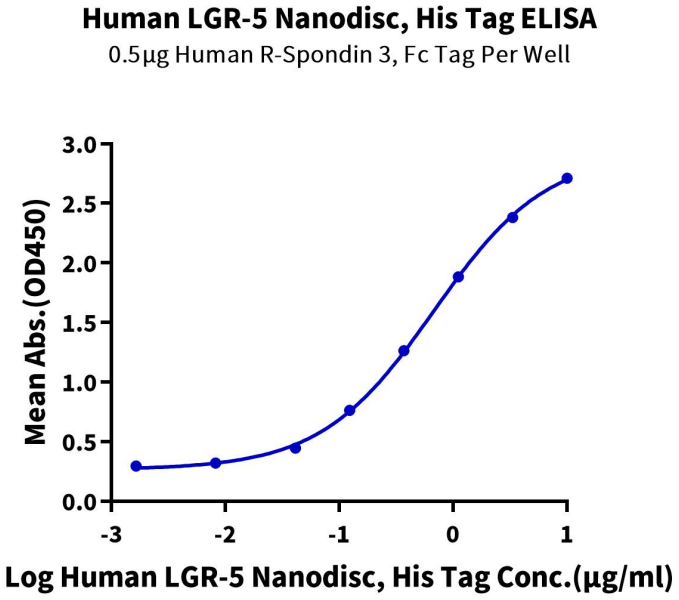
Formulation	Supplied as 0.22 μm filtered solution in PBS (pH 7.4). Notice: Not recommended for flow cytometry in mammalian cells.
Storage	Valid for 6 months from date of receipt when stored at -80°C. Recommend to aliquot the protein into smaller quantities for optimal storage. Please minimize freeze-thaw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

Background

G protein-coupled receptor 5 (LGR5), known as a stem cell marker for colon cancer and gastric cancer, can serve as a novel GSC marker involved in EMT and a therapeutic target in glioma.LGR5 is a new functional GSC marker and prognostic indicator that can promote EMT by activating the Wnt/β-catenin pathway and would thus be a novel therapeutic target for glioma.

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-5 Nanodisc, His Tag with the EC50 of 0.68μg/ml determined by ELISA.