

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 Gly22-Pro543.
Accession	O75473-1
Molecular Weight	The protein has a predicted MW of 101.35 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 immunization and flow cytometry in mammalian cells.
Storage	Valid for 12 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

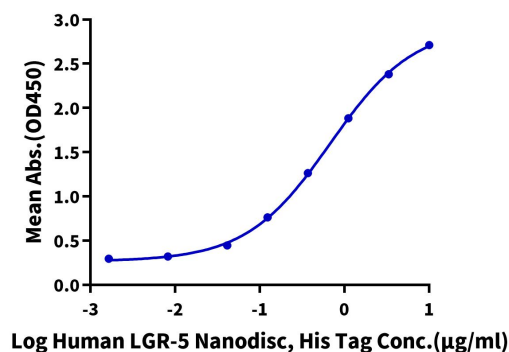
G protein-coupled receptor 5 (LGR5), known as a stem cell marker for colon cancer and gastric cancer, can serve as a novel GSC marker involved in EMT and a therapeutic target in glioma. LGR5 is a new functional GSC marker and prognostic indicator that can promote EMT by activating the Wnt/ β -catenin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

Assay Data

ELISA Data

Human LGR-5 Nanodisc, His Tag ELISA

0.5 μg Human R-Spondin 3, Fc Tag Per Well



Immobilized Human R-Spondin 3, hFc Tag at 5 $\mu\text{g}/\text{ml}$ (100 $\mu\text{l}/\text{well}$) on the plate. Dose response curve for Human LGR-5 Nanodisc, His Tag with the EC₅₀ of 0.68 $\mu\text{g}/\text{ml}$ determined by ELISA.