

Cynomolgus LGR-5 Protein

Cat. No. LGR-CM205



Description

Source	Recombinant Cynomolgus LGR-5 Protein is expressed from HEK293 with hFc (IgG1) tag at the C-terminus. It contains Ser22-Gly557.
Accession	G7PI19
Molecular Weight	The protein has a predicted MW of 84.60 kDa. Due to glycosylation, the protein migrates to 90-110 kDa based on Bis-Tris PAGE result.
Endotoxin	Less than 0.1 EU per μg by the LAL method.
Purity	> 95% as determined by Bis-Tris PAGE > 95% as determined by HPLC

Formulation and Storage

Formulation	Lyophilized from 0.22 μm filtered solution in PBS, 50mM L-Arginine (pH 7.4). Normally 8% trehalose is added as protectant before lyophilization.
Reconstitution	Dissolve the lyophilized protein in distilled water. Please refer to the Certificate of Analysis for detailed instructions.
Storage	-20 to -80°C for 12 months as supplied from date of receipt. -80°C for 3 months after reconstitution. 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.

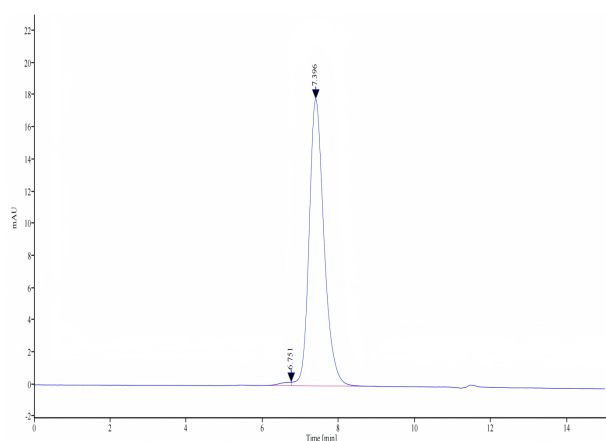
Assay Data

Bis-Tris PAGE



Cynomolgus LGR-5 on Bis-Tris PAGE under reduced condition. The purity is greater than 95%.

SEC-HPLC



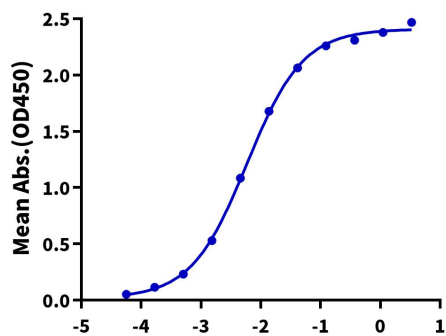
The purity of Cynomolgus LGR-5 is greater than 95% as determined by SEC-HPLC.

Assay Data

ELISA Data

Cynomolgus LGR-5, hFc Tag ELISA

0.5µg Cynomolgus LGR-5, hFc Tag Per Well



Immobilized Cynomolgus LGR-5, hFc Tag at 5µg/ml (100µl/well) on the plate. Dose response curve for Biotinylated Anti-LGR-5 Antibody, hFc Avi Tag with the EC50 of 5.9ng/ml determined by ELISA.

Log Biotinylated Anti-LGR-5 Antibody, hFc Avi Tag Conc.(µg/ml)