

Datasheet for ABIN7275146
LGR5 Protein (AA 22-543) (Fc Tag)[Go to Product page](#)

2 Images

Overview

Quantity:	100 µg
Target:	LGR5
Protein Characteristics:	AA 22-543
Origin:	Human
Source:	HEK-293 Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This LGR5 protein is labelled with Fc Tag.

Product Details

Purpose:	Human LGR-5 Protein
Sequence:	Gly22-Pro543
Characteristics:	Recombinant Human LGR-5 Protein is expressed from HEK293 with hFc tag at the C-Terminus. It contains Gly22-Pro543.
Purity:	> 95 % as determined by Tris-Bis PAGE
Sterility:	0.22 µm filtered
Endotoxin Level:	Less than 1EU per µg by the LAL method.

Target Details

Target:	LGR5
Alternative Name:	LGR-5 (LGR5 Products)

Target Details

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.

Molecular Weight: 85 kDa. Due to glycosylation, the protein migrates to 110-120 kDa based on Tris-Bis PAGE result.

Pathways: [WNT Signaling](#)

Application Details

Restrictions: For Research Use only

Handling

Format: Lyophilized

Reconstitution: Centrifuge the tube before opening. Reconstituting to a concentration more than 100 μ g/mL is recommended. Dissolve the lyophilized protein in distilled water.

Buffer: Lyophilized from 0.22 μ m filtered solution in PBS, 5 mM DTT (pH 7.4). Normally 8 % trehalose is added as protectant before lyophilization.

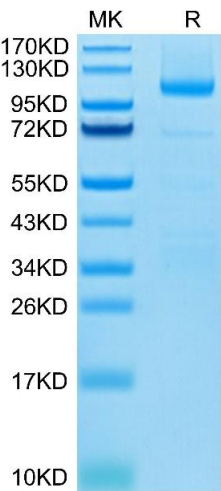
Preservative: Dithiothreitol (DTT)

Precaution of Use: This product contains Dithiothreitol (DTT): a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.

Storage: -20 °C, -80 °C

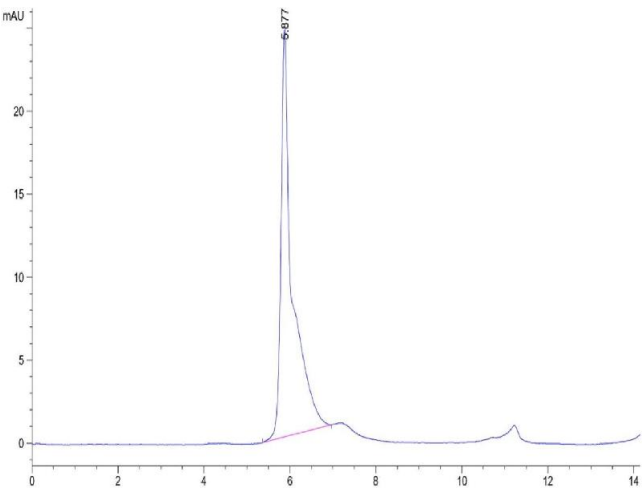
Storage Comment: -20 to -80°C for 12 months as supplied from date of receipt., -80°C for 3-6 months after reconstitution., 2-8°C for 2-7 days after reconstitution., Recommend to aliquot the protein into smaller quantities for optimal storage. Please minimize freeze-thaw cycles.

Expiry Date: 12 months



SDS-PAGE

Image 1. Human LGR-5 on Tris-Bis PAGE under reduced condition. The purity is greater than 95 % .



Size-exclusion chromatography-High Pressure Liquid Chromatography

Image 2. The purity of Human LGR-5 is greater than 95 % as determined by SEC-HPLC.