

# Human LGR-5 VLP

Cat. No. LGR-HM00V

## Description

<b>Source</b>	Recombinant Human LGR-5 VLP is expressed from HEK293. It contains Met1-Leu907 (It may have cross reaction with anti-His antibody).
<b>Accession</b>	O75473-1
<b>Molecular Weight</b>	The target protein has a predicted MW of 101.03 kDa.
<b>Endotoxin</b>	Less than 1 EU per µg by the LAL method.
<b>Purity</b>	> 95% as determined by HPLC

## Formulation and Storage

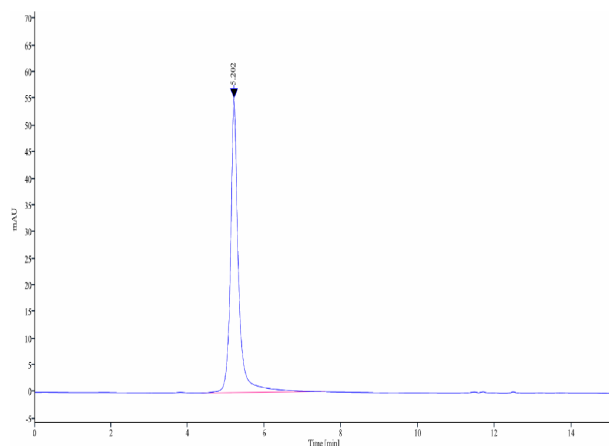
<b>Formulation</b>	Supplied as 0.22 µm filtered solution in PBS, 300mM L-arginine (pH 7.4). Notice: If you need it for immunization, water-soluble adjuvant is recommended.
<b>Storage</b>	Valid for 12 months from date of receipt when stored at -80°C. Recommend to aliquot the protein into smaller quantities 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

### SEC-HPLC

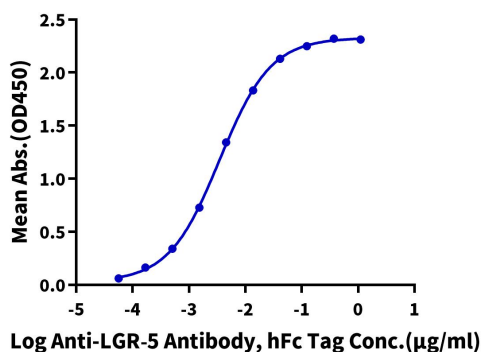


The purity of Human LGR-5 VLP is greater than 95% as determined by SEC-HPLC.

### ELISA Data

#### Human LGR-5 VLP ELISA

0.2µg Human LGR-5 VLP Per Well



Immobilized Human LGR-5 VLP at 2µg/ml (100µl/well) on the plate. Dose response curve for Anti-LGR-5 Antibody, hFc Tag with the EC50 of 3.5ng/ml determined by ELISA.