

Human GPC3 (438-554) Protein-VLP

Cat. No. GPC-HM003



Description

Source	Recombinant Human GPC3 (438-554) Protein-VLP is expressed from HEK293. It contains Arg438-Asn554.
Accession	P51654-1
Molecular Weight	The target protein has a predicted MW of 21.5 kDa.
Endotoxin	Less than 1EU per µg by the LAL method.
Purity	> 95% as determined by HPLC

Formulation and Storage

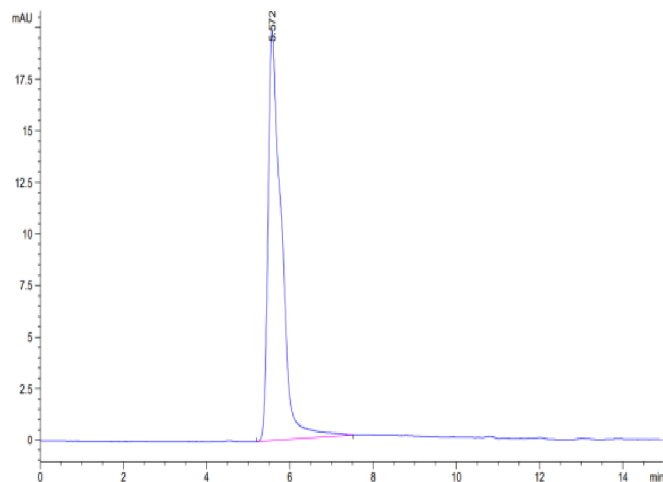
Formulation	Supplied as 0.22µm filtered solution in PBS (pH 7.4). Notice: If you need it for immunization, water-soluble adjuvant is recommended.
Storage	Valid for 12 months from date of receipt when stored at -80°C. Recommend to aliquot the protein into smaller quantities for optimal storage. Please minimize freeze-thaw cycles.

Background

Glypican-3 is a protein, which is encoded by the GPC3 gene in humans. The protein core of GPC3 consists of two subunits, where the N-terminal subunit has a size of ~40 kDa and the C-terminal subunit is ~30 kDa. Glypican 3 is a potential therapeutic target for treating liver cancer and other cancers. Several therapeutic anti-GPC3 antibodies have been developed.

Assay Data

SEC-HPLC



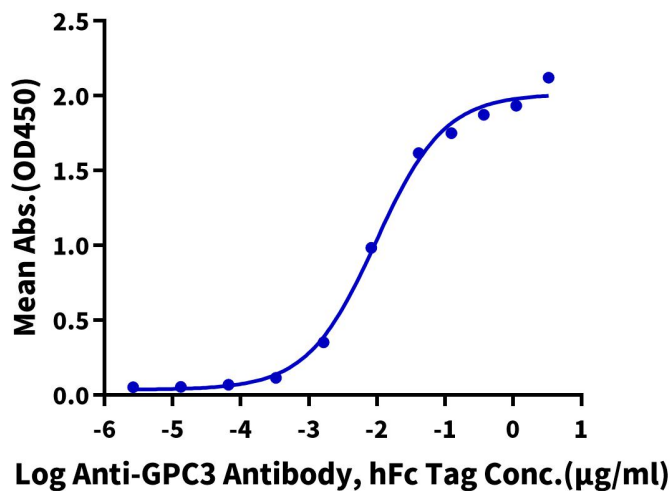
The purity of Human GPC3 (438-554) VLP is greater than 95% as determined by SEC-HPLC.

ELISA Data

Assay Data

Human GPC3 (438-554) VLP ELISA

0.5µg Human GPC3 (438-554) VLP Per Well



Immobilized Human GPC3 (438-554) VLP at 5µg/ml (100µl/Well) on the plate. Dose response curve for Anti-GPC3 Antibody, hFc Tag with the EC50 of 9.7ng/ml determined by ELISA.