

Human GPC3 (438-554) Protein-VLP

Cat. No. GPC-HM003

Description

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|-------------------------|--|
| 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

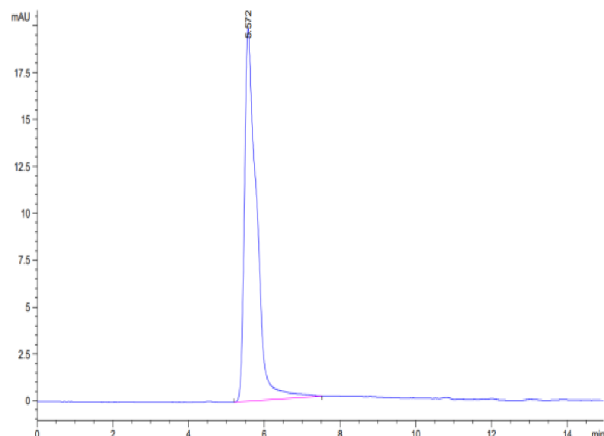
| | |
|--------------------|---|
| Formulation | Supplied as 0.22 μm filtered solution in PBS (pH 7.4). Notice: If you need it for immunization, Do Not use any adjuvant. |
| Storage | Valid for 12 months from date of receipt when stored at -80°C . Recommend to aliquot the protein into smaller quantities 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

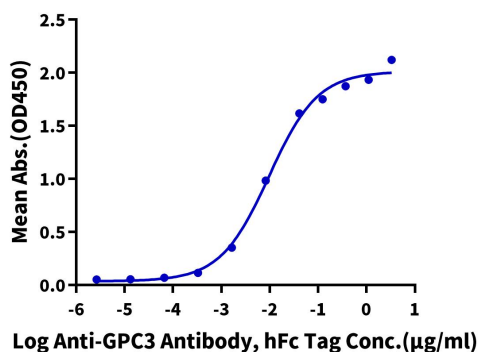


The purity of Human GPC3 (438-554) VLP is greater than 95% as determined by SEC-HPLC.

ELISA Data

Human GPC3 (438-554) VLP ELISA

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



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