

Recombinant Cynomolgus Glypican-3/GPC3 Protein

Catalog No.: RP02648

Sequence Information

Species	Gene ID
Cynomolgus	102137748
Swiss Prot	Tags
XP_005594665.1	C-His

Synonyms

GPC3; DGSX; Glypican 3; GTR2-2; MXR7; OCI5; OCI-5; SGB; SGBS; SGBS1SDYS; SDYS; SGBS1

Product Information

Source	Purification
HEK293 cells	≥ 95 % as determined by Tris-Bis PAGE; ≥ 95 % as determined by HPLC.

Calculated MW	Observed MW
61.8 kDa	42, 70-135 kDa

Endotoxin

< 1 EU/μg of the protein by LAL method.

Formulation

Reconstitution

Centrifuge the tube before opening. Reconstitute to a concentration of 0.1-0.5 mg/mL in sterile distilled water. Avoid vortex or vigorously pipetting the protein. For long term storage, it is recommended to add a carrier protein or stabilizer (e.g. 0.1% BSA, 5% HSA, 10% FBS or 5% Trehalose), and aliquot the reconstituted protein solution to minimize free-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.

Basic Information

Description

Recombinant Cynomolgus Glypican-3/GPC3 Protein is produced by HEK293 cells expression system. The target protein is expressed with sequence (Gln25-His559) of cynomolgus Glypican-3/GPC3 (Accession #XP_005594665.1) fused with His tag at the C-terminus.

Activity

Shipping

Lyophilized proteins are shipped at ambient temperature. Liquid proteins are shipped at frozen temperature with dry ice. Upon receipt, store it immediately at the temperature recommended below.

Storage

Store at -20°C

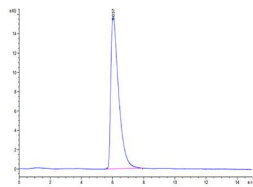
Operational Notes

For your safety and health, please wear a lab coat and disposable gloves for handling.

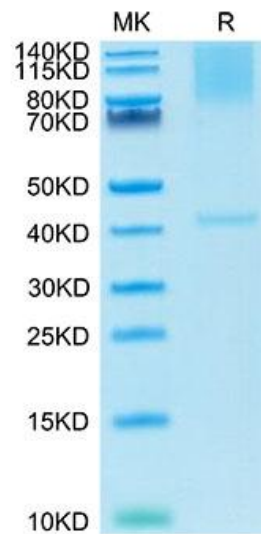
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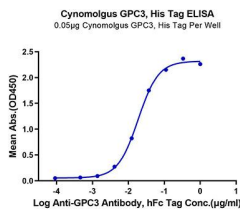
Validation Data



The purity of Cynomolgus GPC3 is greater than 95% as determined by SEC-HPLC.



Recombinant Cynomolgus Glypican-3/GPC3 Protein was determined by Tris-Bis PAGE under reducing conditions.



Immobilized Cynomolgus GPC3, His Tag at 0.5µg/ml (100µl/well) on the plate. Dose response curve for Anti-GPC3 Antibody, hFc Tag with the EC₅₀ of 18.7ng/ml determined by ELISA.