Active Recombinant Human Glypican-1/GPC1 Protein

Catalog No.: RP00297 Recombinant

Sequence Information

Species	Gene ID	Swiss Prot
Human	2817	P35052

Tags
C-His

Synonyms
GPC1;glypican

Product Information

Source	Purification
HEK293 cells	> 97% by SDS-PAGE.

Endotoxin
Please contact us for more information.

Formulation
Lyophilized from a 0.22 μm filtered solution of PBS, pH 7.4.Contact us for customized product form or formulation.

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

Contact

www.abclonal.com

Background

Cell surface heparan sulfate proteoglycans are composed of a membrane-associated protein core substituted with a variable number of heparan sulfate chains. Members of the glypican-related integral membrane proteoglycan family (GRIPS) contain a core protein anchored to the cytoplasmic membrane via a glycosyl phosphatidylinositol linkage. These proteins may play a role in the control of cell division and growth regulation.

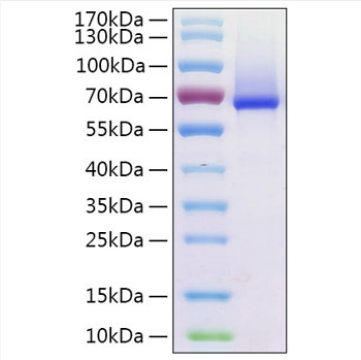
Basic Information

Description
Active Recombinant Human Glypican-1/GPC1 Protein is produced by HEK293 cells expression system. The target protein is expressed with sequence (Asp24-Gln527) of human Glypican 1 (Accession #NP_002072.1) fused with a 6×His tag at the C-terminus.

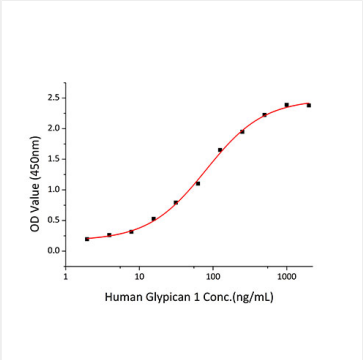
Bio-Activity
Measured by its binding ability in a functional ELISA. Immobilized Human FGF2 at 1 μg/mL (100 μL/well) can bind Human Glypican 1 with a linear range of 2-80 ng/mL.

Storage
Store the lyophilized protein at -20°C to -80 °C for long term.
After reconstitution, the protein solution is stable at -20 °C for 3 months, at 2-8 °C for up to 1 week.
Avoid repeated freeze/thaw cycles.

Validation Data



Active Recombinant Human Glypican-1/GPC1 Protein was determined by SDS-PAGE with Coomassie Blue, showing a band at 60 kDa.



Immobilized recombinant Human FGF2 at 1 μg/mL (100 μL/well) can bind Human Glypican 1 with a linear range of 2-80ng/mL.