

Recombinant Human GPC1 protein, Fc-tagged

Cat. No. GPC1-624H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Human GPC1 (Asp24-Ser530) protein was fused to human IgG1 Fc tag at C-terminus and expressed in human 293 cells (HEK293).
Species	Human
Source	HEK293
ProteinLength	Asp24-Ser530
Description	Glypican 1 has been shown to interact with SLIT2. This protein is involved in the misfolding of normal prion proteins in the cell membrane to the infectious prion form. 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.
Predicted N Terminal	Asp24
Form	Lyophilized from 0.22 µm filtered solution in Tris with Glycine, Arginine and NaCl, pH7.5, 10% trehalose.
Molecular Mass	The protein has a calculated MW of 82.5 kDa. The protein migrates as 90 kDa under reducing (R) condition (SDS-PAGE) due to glycosylation.

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Endotoxin	Less than 1.0 EU per µg by the LAL method.
Purity	>90% as determined by SDS-PAGE.
Storage	For long term storage, the product should be stored at lyophilized state at -20 centigrade or lower. Please avoid repeated freeze-thaw cycles. This product is stable after storage at: -20 to -70 centigrade for 12 months in lyophilized state; -70 centigrade for 3 months under sterile conditions after reconstitution.
Reconstitution	It is recommended that sterile water be added to the vial to prepare a stock solution of 0.2 ug/ul. Centrifuge the vial at 4°C before opening to recover the entire contents.

GENE INFORMATION

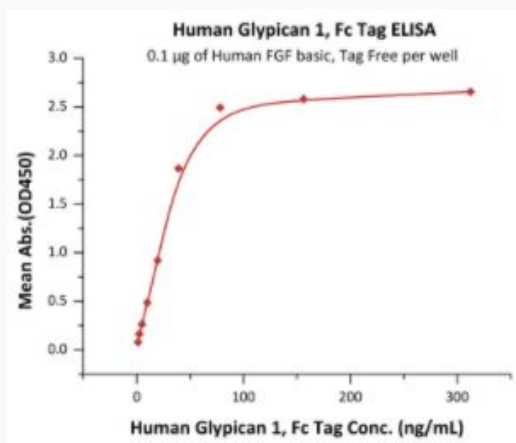
Gene Name	GPC1
Official Symbol	GPC1
Synonyms	GPC1; glypican 1; glypican-1; glypican; glypican proteoglycan 1; FLJ38078
Gene ID	2817
mRNA Refseq	NM_002081
Protein Refseq	NP_002072
MIM	600395
UniProt ID	P35052

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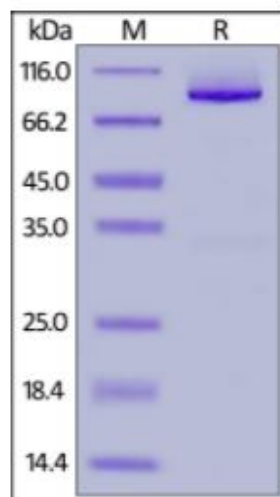
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Bioactivity-ELISA of GPC1-624H



Immobilized Human FGF basic, Tag Free at 1 µg/mL (100 µL/well) can bind Human Glypican 1, Fc Tag with a linear range of 1-39 ng/mL (QC tested).

SDS-PAGE of GPC1- 624H



Human Glypican 1, Fc Tag on SDS-PAGE under reducing (R) condition. The gel was stained overnight with Coomassie Blue. The purity of the protein is greater than 90%.