

Recombinant Mouse Gpc3 protein, Fc-tagged

Cat. No. Gpc3-120M Lot. No. (See product label)

SPECIFICATION

Product Overview	Recombinant Mouse Gpc3 protein (Gln25-Met557), fused to human IgG1 Fc tag at C-terminus, was expressed in human 293 cells (HEK293).
Species	Mouse
Source	HEK293
ProteinLength	533
Description	Glypican-3 (GPC3) is also known as Intestinal protein OCI-5, GTR2-2, MXR7, which belongs to the glypican family. Glypican 3/GPC-3 is highly expressed in lung, liver and kidney. Glypican-3 inhibits the dipeptidyl peptidase activity of DPP4. Glypican-3 may be involved in the suppression/modulation of growth in the predominantly mesodermal tissues and organs, and also may play a role in the modulation of IGF2 interactions with its receptor and thereby modulate its function.
Form	Lyophilized from 0.22 um filtered solution in Tris with Glycine, Arginine and NaCl, pH7.5, 10% trehalose.
Molecular Mass	This protein contains a furin-like convertase cleavage site, 354-RQYR-357, and will be partially processed into N and C-terminal fragment with calculated MW of 38.0 kDa and 49.1 kDa respectively. The protein migrates as 40 kDa, 60 kDa and 100 kDa under reducing (R) condition (SDS-PAGE) due to glycosylation.
Endotoxin	Less than 1.0 EU per ug by the LAL method.

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Purity	>90% GPC3 and 2-8% human IgG1 Fc fragment as determined by SDS-PAGE.
Storage	<p>For long term storage, the product should be stored at lyophilized state at -20 centigrade or lower.</p> <p>Please avoid repeated freeze-thaw cycles.</p> <p>This product is stable after storage at:</p> <p>-20 centigrade to -70 centigrade for 12 months in lyophilized state; -70 centigrade for 3 months under sterile conditions after reconstitution.</p>
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

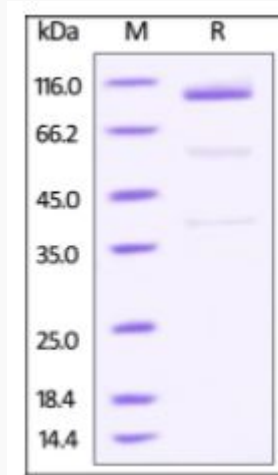
Gene Name	Gpc3
Official Symbol	Gpc3
Synonyms	GPC3; glypican 3; glypican-3; OCI-5
Gene ID	14734
mRNA Refseq	NM_016697
Protein Refseq	NP_057906
UniProt ID	Q8CFZ4

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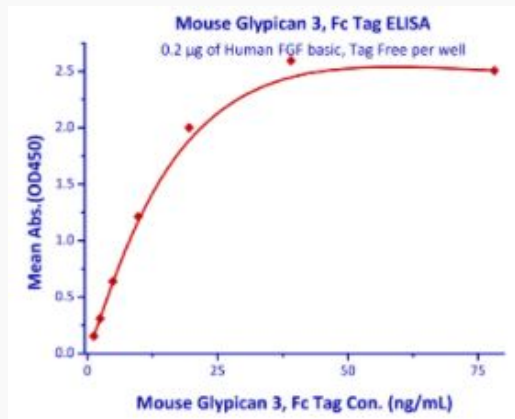
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SDS-PAGE of Gpc3-120M



Mouse Glypican 3, 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%.

Bioactivity-ELISA of Gpc3-120M



Immobilized Human FGF basic, Tag Free at 2µg/mL (100 µL/well) can bind Mouse Glypican 3, Fc Tag with a linear range of 1.22-9.7 ng/mL (QC tested).

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