

Active Recombinant Mouse Gpc1 protein, His-tagged

Cat. No. Gpc1-153M Lot. No. (See product label)

SPECIFICATION

Product Overview	Recombinant Mouse Gpc1(Asp24-Ser529) fused with His tag at C-terminal was expressed in NS0.
Species	Mouse
Source	Mammalian Cells
ProteinLength	Asp24-Ser529
Predicted N Terminal	Asp24
Form	Lyophilized from a 0.2 µm filtered solution in PBS.
Bio-activity	Measured by its binding ability in a functional ELISA. Immobilized rmGlypican 1 at 3 g/mL (100 µ/well) will bind rhFGF-basic with an apparent KD < 1 nM.
Molecular Mass	Predicted Molecular Mass: 56.4 kDa;SDS-PAGE: 57-62 kDa, reducing conditions.
Endotoxin	<0.10 EU per 1 µg of the protein by the LAL method.
Purity	>90%, by SDS-PAGE under reducing conditions and visualized by silver stain
Storage	Use a manual defrost freezer and avoid repeated freeze-thaw cycles.12 months from date of receipt, -20 to -70 centigrade as supplied.1 month, 2 to 8 centigrade under sterile conditions after reconstitution.3 months, -20 to -70 centigrade under sterile

 Tel: 1-631-559-9269 1-516-512-3133

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conditions after reconstitution.

Reconstitution Reconstitute at 500 µg/mL in sterile PBS.

Shipping The product is shipped at ambient temperature. Upon receipt, store it immediately at the temperature recommended below.

GENE INFORMATION

Gene Name [Gpc1 glypican 1 \[Mus musculus \]](#)

Official Symbol [Gpc1](#)

Synonyms GPC1; glypican 1; glypican-1; AI462976;

Gene ID [14733](#)

mRNA Refseq [NM_016696](#)

Protein Refseq [NP_057905](#)

MIM

UniProt ID [Q9QZF2](#)

Chromosome Location 1; 1 D

Pathway Activation of Rac, organism-specific biosystem; Axon guidance, organism-specific biosystem; Developmental Biology, organism-specific biosystem; Inactivation of Cdc42 and Rac, organism-specific biosystem; Role of Abl in Robo-Slit signaling, organism-specific biosystem; Signaling by Robo receptor, organism-specific

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biosystem;

Function

collagen V binding; heparan sulfate proteoglycan binding;

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