

Active Recombinant Mouse Gpc3, His-tagged

Cat. No. Gpc3-5627M **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Mouse Gpc3(Gln25-Met557 & Ser358-Met557), fused with a C-terminal 6-His tag, was expressed in Mouse NSO Cells.
Species	Mouse
Source	Mammalian Cells
ProteinLength	25-557;358-557 a.a.
Description	Glypican-3 is a protein that in humans is encoded by the GPC3 gene. The protein encoded by this gene is a member of the glypican family.
Predicted N Terminal	Gln25 predicted (No result obtained, sequencing might be blocked) & Ser358
Form	Lyophilized from a 0.2 µ filtered solution in PBS.
Bio-activity	Measured by its binding ability in a functional ELISA. When Recombinant Mouse Glypican 3 is coated at 5 µg/mL (100 µL/well), the concentration of recombinant human FGF basic that produces 50% of the optimal binding response is found to be approximately 0.75 - 3.75 ng/mL.
Molecular Mass	Predicted Molecular Mass: 61.3 kDaSDS-PAGE: 66-98 kDa & 30-40 kDa, reducing conditions
Purity	>90%, by SDS-PAGE under reducing conditions and visualized by silver stain.

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Storage Avoid repeated freeze-thaw cycles. 12 months from date of receipt, -20 to -70 °C as supplied. 1 month, 2 to 8 °C under sterile conditions after reconstitution. 3 months, -20 to -70 °C under sterile conditions after reconstitution.

Reconstitution Reconstitute at 100 µg/mL in PBS.

GENE INFORMATION

Gene Name [Gpc3 glypican 3 \[Mus musculus \(house mouse\) \]](#)

Official Symbol Gpc3

Synonyms Gpc3; glypican 3; OCI-5; glypican-3

Gene ID [14734](#)

mRNA Refseq [NM_016697](#)

Protein Refseq [NP_057906](#)

UniProt ID Q8CFZ4

Chromosome Location X; X A3.3

Pathway A tetrasaccharide linker sequence is required for GAG synthesis; Defective B4GALT7 causes EDS; Defective CHST3 causes SEDCJD

Function heparan sulfate proteoglycan binding; peptidase inhibitor activity; peptidyl-dipeptidase inhibitor activity; protein binding

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