

## Active Recombinant Mouse Gpc3, His-tagged

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

### SPECIFICATION

<b>Product Overview</b>	Recombinant Mouse Gpc3(Gln25-Met557 & Ser358-Met557), fused with a C-terminal 6-His tag, was expressed in Mouse NSO Cells.
<b>Species</b>	Mouse
<b>Source</b>	Mammalian Cells
<b>ProteinLength</b>	25-557;358-557 a.a.
<b>Description</b>	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.
<b>Predicted N Terminal</b>	Gln25 predicted (No result obtained, sequencing might be blocked) & Ser358
<b>Form</b>	Lyophilized from a 0.2 µ filtered solution in PBS.
<b>Bio-activity</b>	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.
<b>Molecular Mass</b>	Predicted Molecular Mass: 61.3 kDaSDS-PAGE: 66-98 kDa & 30-40 kDa, reducing conditions
<b>Purity</b>	>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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