

**Synonym**

GPC3,OCI5,Glypican-3,GTR2-2,MXR7,DGSX,SDYS ,SGB,SGBS,SGBS1

**Source**

Mouse Glypican 3, His Tag (GP3-M52H3) is expressed from human 293 cells (HEK293). It contains AA Gln 25 - Met 557 (Accession # Q8CFZ4-1).

Predicted N-terminus: Gln 25

**Molecular Characterization**

Glypican 3(Gln 25 - Met 557)  
Q8CFZ4-1 Poly-his

This protein carries a polyhistidine tag at the C-terminus.

The protein has a calculated MW of 62.4 kDa. The protein migrates as 40 kDa and 66-150 kDa under reducing (R) condition (SDS-PAGE) due to glycosylation.

**Endotoxin**

Less than 1.0 EU per µg by the LAL method.

**Purity**

>95% as determined by SDS-PAGE.

**Formulation**

Lyophilized from 0.22 µm filtered solution in PBS, pH7.4. Normally trehalose is added as protectant before lyophilization.

Contact us for customized product form or formulation.

**Reconstitution**

Please see Certificate of Analysis for specific instructions.

*For best performance, we strongly recommend you to follow the reconstitution protocol provided in the CoA.*

**Storage**

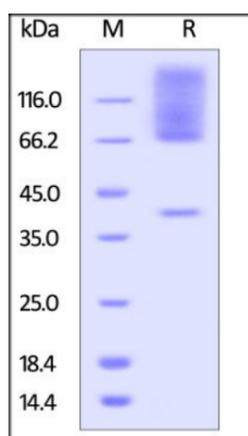
For long term storage, the product should be stored at lyophilized state at -20°C or lower.

*Please avoid repeated freeze-thaw cycles.*

No activity loss was observed after storage at:

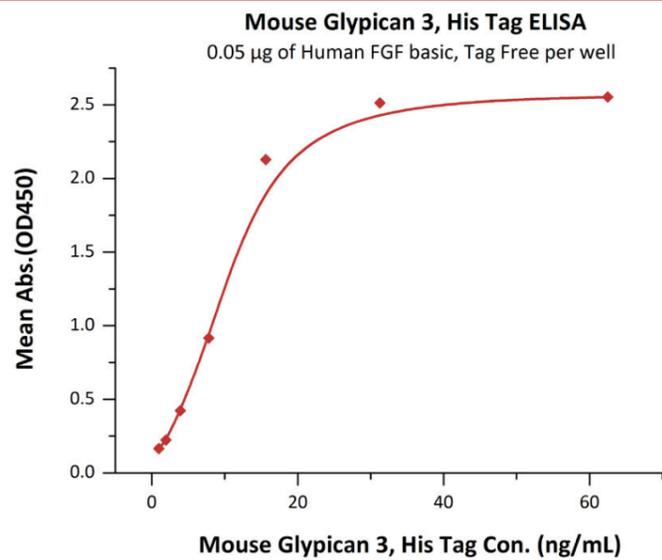
- 4-8°C for 12 months in lyophilized state;
- -70°C for 3 months under sterile conditions after reconstitution.

**SDS-PAGE**



Mouse Glypican 3, His Tag on SDS-PAGE under reducing (R) condition. The gel was stained overnight with Coomassie Blue. The purity of the protein is greater than 95%.

**Bioactivity-ELISA**



Immobilized Human FGF basic, Tag Free (Cat. No. [BFF-H4117](#)) at 0.5 µg/mL (100 µL/well) can bind Mouse Glypican 3, His Tag (Cat. No. [GP3-M52H3](#)) with a linear range of 1-16 ng/mL (QC tested).

### Background

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.

### References

- (1) [Davoodi J., et al., 2007, Proteomics 7:2300-2310.](#)
- (2) [Veugelers M., et al., 2000, Hum. Mol. Genet. 9:1321-1328.](#)

Please contact us via [TechSupport@acrobiosystems.com](mailto:TechSupport@acrobiosystems.com) if you have any question on this product.