



Synonym

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

Source

Mouse Glycan 3, His Tag(GP3-M52H3) is expressed from human 293 cells (HEK293). It contains AA Gln 25 - Arg 357 & Ser 358 - Met 557 (Accession # [Q8CFZ4-1](#)).

Predicted N-terminus: Gln 25 & Ser 358

Molecular Characterization

Glycan 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 38.0 kDa & 24.4 kDa. The protein migrates as 38-40 kDa and 62-100 kDa when calibrated against [Star Ribbon Pre-stained Protein Marker](#) under reducing (R) condition (SDS-PAGE) due to glycosylation.

Endotoxin

Less than 1.0 EU per μ g by the LAL method / rFC method.

Purity

>95% as determined by SDS-PAGE.

Formulation

Lyophilized from 0.22 μ m filtered solution in PBS, pH7.4 with trehalose as protectant.

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

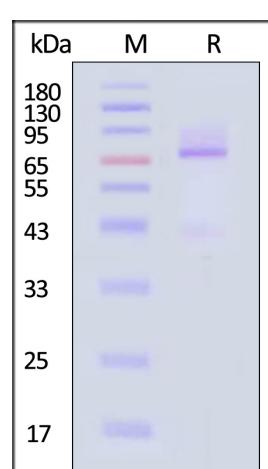
For long term storage, the product should be stored at lyophilized state at -20°C or lower.

Please avoid repeated freeze-thaw cycles.

This product is stable after storage at:

- -20°C to -70°C for 12 months in lyophilized state;
- -70°C for 3 months under sterile conditions after reconstitution.

SDS-PAGE



Mouse Glycan 3, His Tag on SDS-PAGE under reducing (R) condition. The gel was stained with Coomassie Blue. The purity of the protein is greater than 95% (With [Star Ribbon Pre-stained Protein Marker](#)).

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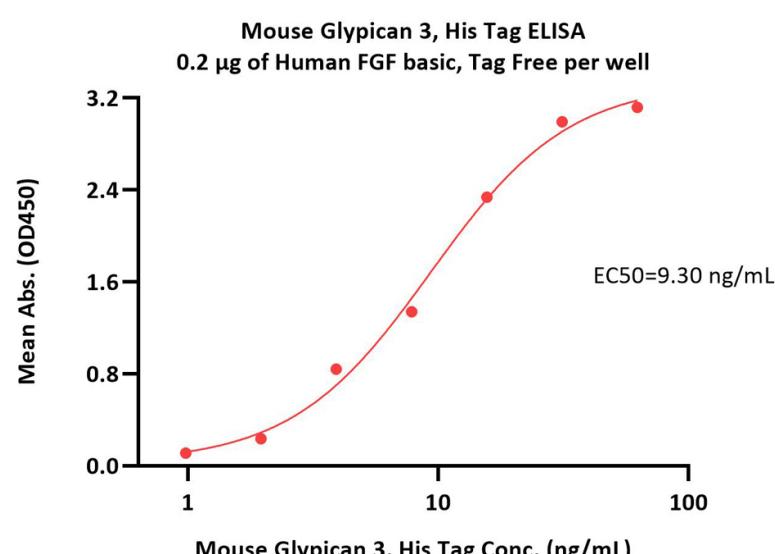
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Mouse Glypican 3 / GPC3 Protein, His Tag

Catalog # GP3-M52H3



BIOSYSTEMS
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Immobilized Human FGF basic, premium grade (Cat. No. BFF-H4117) at 2 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.

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