

# Rat Glypican 3 / GPC3 Protein, His Tag

Catalog # GP3-R52H7



BIOSYSTEMS  
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Surprise Inside!

## Synonym

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

## Source

Rat Glypican 3, His Tag(GP3-R52H7) is expressed from human 293 cells (HEK293). It contains AA Gln 25 - Met 557 (Accession # [P13265-1](#)).

Predicted N-terminus: Gln 25

## Molecular Characterization

Glypican 3(Gln 25 - Met 557)  
P13265-1 Poly-his

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

The protein has a calculated MW of 62.4 kDa.

## Endotoxin

Less than 1.0 EU per µg by the LAL method.

## Purity

>90% as determined by SDS-PAGE.

## Formulation

Lyophilized from 0.22 µm 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

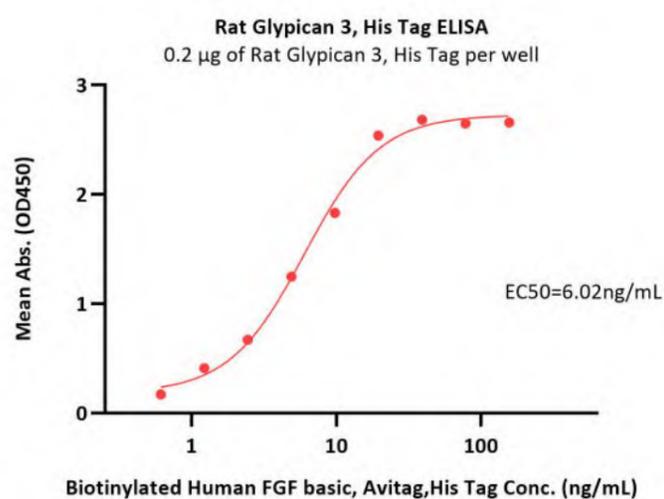
For long term storage, the product should be stored at lyophilized state at -20°C or lower.

*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.

## Bioactivity-ELISA



Immobilized Rat Glypican 3, His Tag (Cat. No. GP3-R52H7) at 2 µg/mL (100 µL/well) can bind Biotinylated Human FGF basic, Avitag, His Tag (Cat. No. FGC-H81E3) with a linear range of 0.6-20 ng/mL (QC tested).

## Background

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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.

### Clinical and Translational Updates

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

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