

Biotinylated Human Glypican 5 / GPC5 Protein, His,Avitag™

Catalog # GP5-H82E3



Synonym

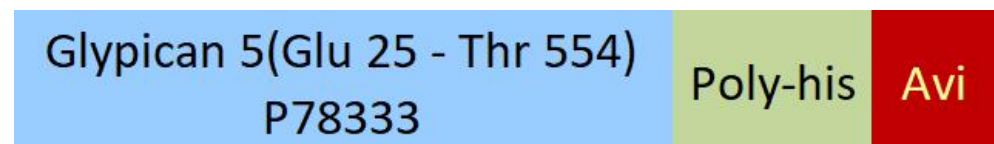
Glypican 5

Source

Biotinylated Human Glypican 5 Protein, His,Avitag (GP5-H82E3) is expressed from human 293 cells (HEK293). It contains AA Glu 25 - Thr 554 (Accession # [P78333](#)).

Predicted N-terminus: Glu 25

Molecular Characterization



[Other Tags and Version Biotin & Other Labeled Version](#)

This protein carries a polyhistidine tag at the C-terminus, followed by an Avi tag (Avitag™).

The protein has a calculated MW of 62.8 kDa. The protein migrates as 65-180 kDa when calibrated against [Star Ribbon Pre-stained Protein Marker](#) under reducing (R) condition (SDS-PAGE) due to glycosylation.

Labeling

Biotinylation of this product is performed using Avitag™ technology. Briefly, the single lysine residue in the Avitag is enzymatically labeled with biotin.

Protein Ratio

Passed as determined by the HABA assay / binding ELISA.

Endotoxin

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

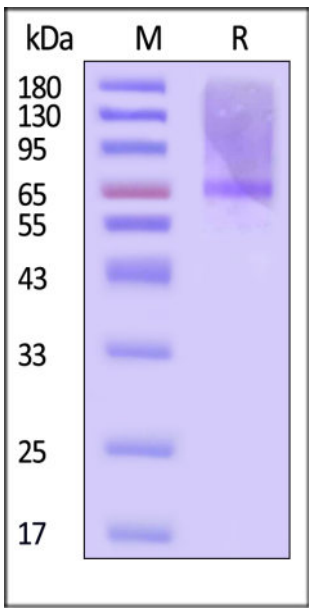
This product is stable after storage at:

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

ACRO Quality Management System

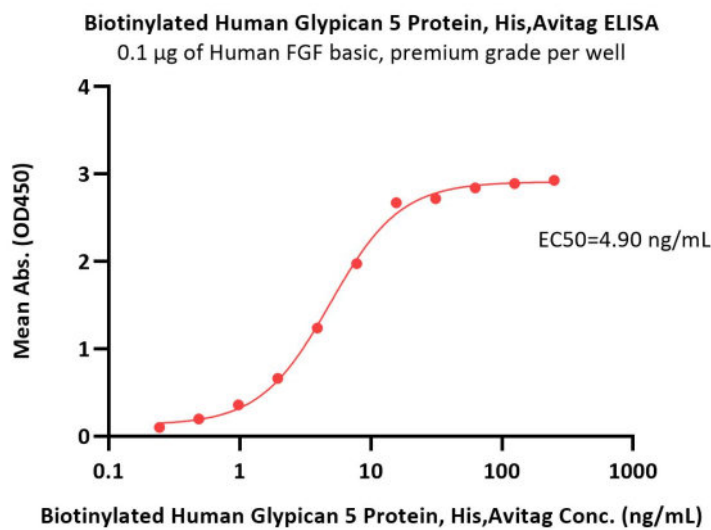
- [QMS\(ISO, GMP\)](#).
- [Quality Advantages](#)
- [Quality Control Process](#)

SDS-PAGE



Biotinylated Human Glypican 5 Protein, His,Avitag on SDS-PAGE under reducing (R) condition. The gel was stained with Coomassie Blue. The purity of the protein is greater than 90% (With [Star Ribbon Pre-stained Protein Marker](#)).

Bioactivity-ELISA



Immobilized Human FGF basic, premium grade (Cat. No. BFF-H4117) at 1 µg/mL (100 µL/well) can bind Biotinylated Human Glypican 5 Protein, His,Avitag (Cat. No. GP5-H82E3) with a linear range of 0.2-16 ng/mL (QC tested).

Background

GPC5 (Glypican 5) is a Protein Coding gene. Diseases associated with GPC5 include Familial Idiopathic Steroid-Resistant Nephrotic Syndrome and Omodysplasia. Among its related pathways are Glycosaminoglycan-protein linkage region biosynthesis and Visual phototransduction. Gene Ontology (GO) annotations related to this gene include heparan sulfate proteoglycan binding. An important paralog of this gene is GPC3.

Discounts, Gifts,
and more!

www.acrobiosystems.com