

Datasheet for ABIN5954920

Glypican 3 Protein (GPC3) (AA 25-559) (His tag,AVI tag,Biotin)[Go to Product page](#)

2 Images

1 Publication

Overview

Quantity:	200 µg
Target:	Glypican 3 (GPC3)
Protein Characteristics:	AA 25-559
Origin:	Human
Source:	HEK-293 Cells
Protein Type:	Recombinant
Biological Activity:	Active
Purification tag / Conjugate:	This Glypican 3 protein is labelled with His tag,AVI tag,Biotin.

Product Details

Sequence:	AA 25-559
Specificity:	Biotinylation of this product is performed using Avitag™ technology. Briefly, the single lysine residue in the Avitag is enzymatically labeled with biotin.
Purity:	>85 % as determined by SDS-PAGE.
Endotoxin Level:	Less than 1.0 EU per µg by the LAL method.

Target Details

Target:	Glypican 3 (GPC3)
Alternative Name:	Glypican 3 (GPC3 Products)
Background:	Glypican-3 (GPC3) is also known as Intestinal protein OCI-5, GTR2-2, MXR7, which belongs to

Target Details

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.

Molecular Weight: 38.1 kDa and 26.4 kDa

NCBI Accession: [NP_004475](#)

Pathways: [Glycosaminoglycan Metabolic Process](#)

Application Details

Comment: Ready-to-use Avitag™ biotinylated protein:
The product is exclusively produced using the Avitag™ technology. Briefly, a unique 15 amino acid peptide, the Avi tag, is introduced into the recombinant protein during expression vector construction. The single lysine residue in the Avi tag is enzymatically biotinylated by the E. Coli biotin ligase BirA.

This single-point enzymatic labeling technique brings many advantages for commonly used binding assays. The biotinylation happens on the lysine residue of Avi tag, and therefore does NOT interfere with the target protein's natural binding activities. In addition, when immobilized on an avidin-coated surface, the protein orientation is uniform because the position of the Avi tag in the protein is precisely controlled.

Restrictions: For Research Use only

Handling

Format: Lyophilized

Buffer: PBS, pH 7.4

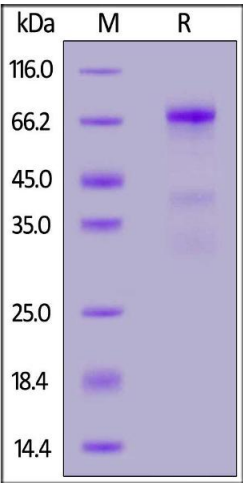
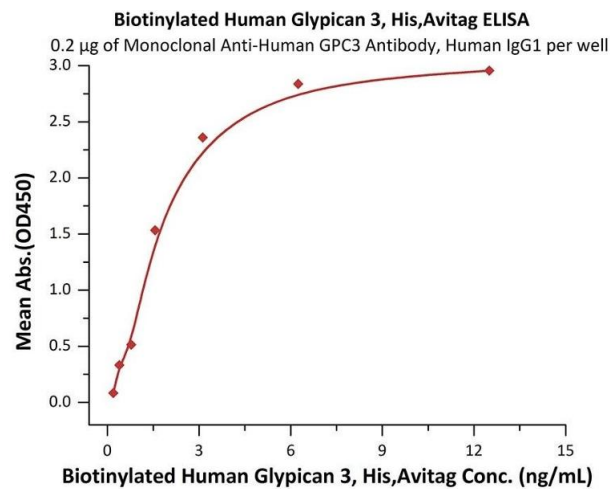
Handling Advice: Please avoid repeated freeze-thaw cycles.

Storage: -20 °C

Publications

Product cited in: Berman, Kelada, Gutsche, Natarajan, Swenson, Fu, Hong, Ho, Choyke, Escorcia: "In Vitro Performance of Published Glypican 3-Targeting Peptides TJ12P1 and L5 Indicates Lack of

Images



ELISA

Image 1. Immobilized Monoclonal A GPC3 Antibody, Human IgG1 at 2 µg/mL (100 µL/well) can bind Biotinylated Human Glypican 3, His,Avitag (ABIN5954920,ABIN6253640) with a linear range of 0.2-3 ng/mL (QC tested).

SDS-PAGE

Image 2. Biotinylated Human Glypican 3, His,Avitag on under reducing (R) condition. The gel was stained overnight with Coomassie Blue. The purity of the protein is greater than 85 % .