

Datasheet for ABIN7274772

**Glypican 3 Protein (GPC3) (AA 25-559) (His tag)****3** Images[Go to Product page](#)

## Overview

Quantity:	100 µg
Target:	Glypican 3 (GPC3)
Protein Characteristics:	AA 25-559
Origin:	Cynomolgus
Source:	HEK-293 Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This Glypican 3 protein is labelled with His tag.

## Product Details

Purpose:	Cynomolgus GPC3/Glypican 3 Protein
Sequence:	Gln25-His559
Characteristics:	Recombinant Cynomolgus GPC3/Glypican 3 Protein is expressed from HEK293 with His tag at the C-Terminus. It contains Gln25-His559.
Purity:	> 95 % as determined by Tris-Bis PAGE, > 95 % as determined by HPLC
Sterility:	0.22 µm filtered
Endotoxin Level:	Less than 1EU per µg by the LAL method.
Biological Activity Comment:	Immobilized Cynomolgus GPC3, His Tag at 0.5µg/ml (100µl/well) on the plate. Dose response curve for Anti-GPC3 Antibody, hFc Tag with the EC50 of 18.7ng/ml determined by ELISA. See testing image for detail.

## Target Details

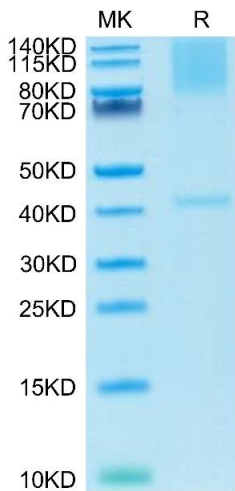
Target:	Glypican 3 (GPC3)
Alternative Name:	GPC3 ( <a href="#">GPC3 Products</a> )
Background:	Glypican-3 is a protein ,which is encoded by the GPC3 gene in humans.The protein core of GPC3 consists of two subunits, where the N-terminal subunit has a size of ~40 kDa and the C-terminal subunit is ~30 kDa.Glypican 3 is a potential therapeutic target for treating liver cancer and other cancers. Several therapeutic anti-GPC3 antibodies have been developed.
Molecular Weight:	61.8 kDa. Due to glycosylation, the protein migrates to 42 kDa, 70-135 kDa based on Tris-Bis PAGE result.
NCBI Accession:	<a href="#">XP_005594665</a>
Pathways:	<a href="#">Glycosaminoglycan Metabolic Process</a>

## Application Details

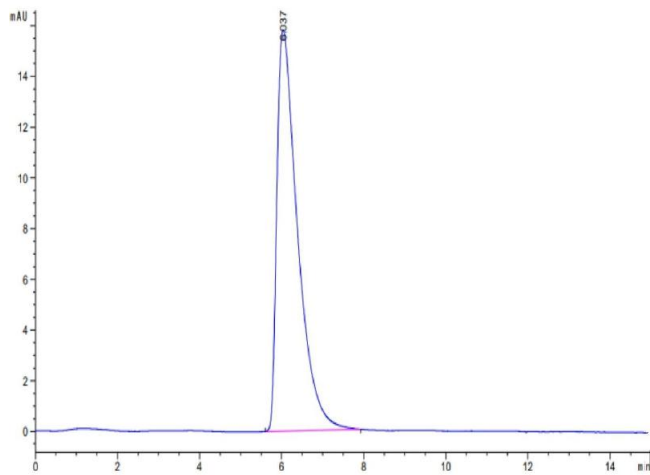
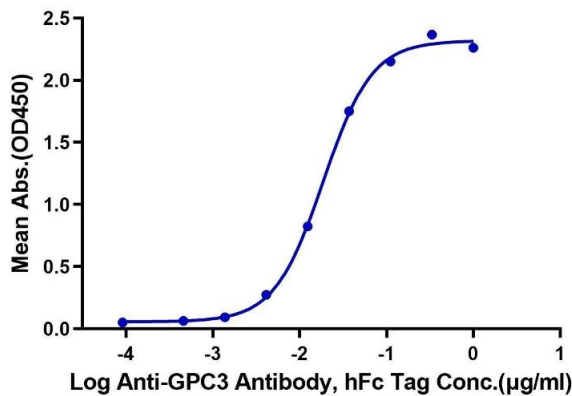
Restrictions:	For Research Use only
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## Handling

Format:	Lyophilized
Reconstitution:	Centrifuge the tube before opening. Reconstituting to a concentration more than 100 µg/mL is recommended. Dissolve the lyophilized protein in distilled water.
Buffer:	Lyophilized from 0.22µm filtered solution in PBS ( pH 7.4). Normally 8 % trehalose is added as protectant before lyophilization.
Storage:	-20 °C,-80 °C
Storage Comment:	-20 to -80°C for 12 months as supplied from date of receipt., -80°C for 3-6 months after reconstitution., 2-8°C for 2-7 days after reconstitution., Recommend to aliquot the protein into smaller quantities for optimal storage. Please minimize freeze-thaw cycles.
Expiry Date:	12 months



**Cynomolgus GPC3, His Tag ELISA**  
0.05µg Cynomolgus GPC3, His Tag Per Well



**SDS-PAGE**

**Image 1.** Cynomolgus GPC3 on Tris-Bis PAGE under reduced condition. The purity is greater than 95 % .

**ELISA**

**Image 2.** Immobilized Cynomolgus GPC3, His Tag at 0.5 µg/mL (100 µL/well) on the plate. Dose response curve for Anti-GPC3 Antibody, hFc Tag with the EC50 of 18.7 ng/mL determined by ELISA.

**Size-exclusion chromatography-High Pressure Liquid Chromatography**

**Image 3.** The purity of Cynomolgus GPC3 is greater than 95 % as determined by SEC-HPLC.