

Datasheet for ABIN7092674

**Glypican 3 Protein (GPC3) (Fc Tag)****3** Images[Go to Product page](#)

## Overview

Quantity:	100 µg
Target:	Glypican 3 (GPC3)
Origin:	Human
Source:	HEK-293 Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This Glypican 3 protein is labelled with Fc Tag.

## Product Details

Purpose:	Recombinant Human GPC3 Protein with N-terminal Human Fc tag
Specificity:	HFc (Glu99-Ala330) GPC3 (Asp511-Ser560)
Characteristics:	Extracellular Domain Protein
Purification:	Purified from cell culture supernatant by affinity chromatography
Purity:	The purity of the protein is greater than 95 % as determined by SDS-PAGE and Coomassie blue staining.

## Target Details

Target:	Glypican 3 (GPC3)
Alternative Name:	GPC3 ( <a href="#">GPC3 Products</a> )
Background:	Cell surface heparan sulfate proteoglycans are composed of a membrane-associated protein core substituted with a variable number of heparan sulfate chains. Members of the glypican-related integral membrane proteoglycan family (GRIPS) contain a core protein anchored to the

## Target Details

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cytoplasmic membrane via a glycosyl phosphatidylinositol linkage. These proteins may play a role in the control of cell division and growth regulation. The protein encoded by this gene can bind to and inhibit the dipeptidyl peptidase activity of CD26, and it can induce apoptosis in certain cell types. Deletion mutations in this gene are associated with Simpson-Golabi-Behmel syndrome, also known as Simpson dysmorphia syndrome. Alternative splicing results in multiple transcript variants. [provided by RefSeq, Sep 2009] References: Fu Ying, Urban Daniel J, Nani Roger R et al. Glypican-3-Specific Antibody Drug Conjugates Targeting Hepatocellular Carcinoma.[J] .Hepatology, 2019, 70: 563-576. Zhang Yi-Fan, Ho Mitchell, Humanization of high-affinity antibodies targeting glypican-3 in hepatocellular carcinoma.[J] .Sci Rep, 2016, 6: 33878.

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Molecular Weight: predicted molecular mass of 43.3 kDa after removal of the signal peptide.

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UniProt: [P51654](#)

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Pathways: [Glycosaminoglycan Metabolic Process](#)

## Application Details

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Restrictions: For Research Use only

## Handling

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Format: Lyophilized

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Buffer: Lyophilized from sterile PBS, pH 7.4. Normally 5 % - 8 % trehalose is added as protectants before lyophilization.

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Storage: -20 °C,-80 °C

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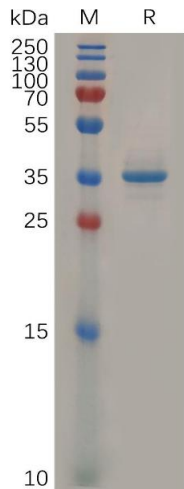
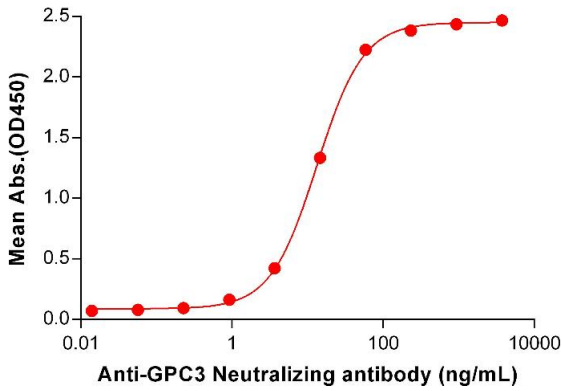
Storage Comment: Store at -20°C to -80°C for 12 months in lyophilized form. After reconstitution, if not intended for use within a month, aliquot and store at -80°C (Avoid repeated freezing and thawing).  
Lyophilized proteins are shipped at ambient temperature.

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Expiry Date: 12 months

**Human GPC3, hFc tagged protein ELISA**

0.2 µg of Human GPC3, hFc tagged protein per well



**ELISA**

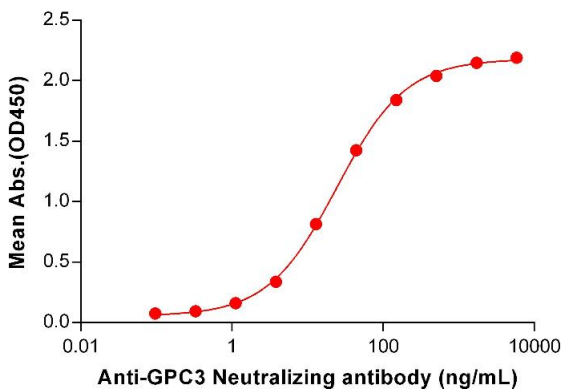
**Image 1.** ELISA plate pre-coated by 2 µg/mL (100 µL/well) Human Protein, hFc Tag (ABIN7092674, ABIN7272488 and ABIN7272489) can bind Anti- Neutralizing antibody ABIN7478032 and ABIN7491011 in a linear range of 0.92-58.59 ng/mL.

**SDS-PAGE**

**Image 2.** Human Protein, hFc Tag on SDS-PAGE under reducing condition.

**Human GPC3, hFc tagged protein ELISA**

0.1 µg of Human GPC3, hFc tagged protein per well



**ELISA**

**Image 3.** ELISA plate pre-coated by 1 µg/mL (100 µL/well) Human Protein, hFc Tag (ABIN7092674, ABIN7272488 and ABIN7272489) can bind Anti- Neutralizing antibody ABIN7477988 and ABIN7490914 in a linear range of 1.12-508.85 ng/mL.