

Datasheet for ABIN7320888

Glypican 3 Protein (GPC3) (His tag)**1** Image[Go to Product page](#)

Overview

Quantity:	50 µg
Target:	Glypican 3 (GPC3)
Origin:	Mouse
Source:	Human Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This Glypican 3 protein is labelled with His tag.

Product Details

Purpose:	Recombinant Mouse Glypican-3/GPC3/OCI5 (C-6His)
Sequence:	Gln25-Met557
Characteristics:	Recombinant Mouse Glypican-3 is produced by our Mammalian expression system and the target gene encoding Gln25-Met557 is expressed with a 6His tag at the C-terminus.
Purity:	>95 % as determined by reducing SDS-PAGE.
Endotoxin Level:	< 1.0 EU per µg as determined by the LAL method.

Target Details

Target:	Glypican 3 (GPC3)
Alternative Name:	Glypican-3/GPC3/OCI5 (GPC3 Products)
Background:	Background: Glypican-3/GPC3 is a member of the glypican family. It belongs to the glypican family and is highly expressed in lung, liver, and kidney. It is a heparan sulfate proteoglycan, which is overexpressed in various neoplasms such as hepatocellular carcinoma, malignant

Target Details

melanoma, and testicular yolk sac tumor, and plays an important role in cell growth and differentiation. GPC3 function is tissue dependent. In some tissues, GPC3 acts as a tumor suppressor gene, whereas in others, it acts as an oncofetal protein. GPC3 is a reliable marker for hepatocellular carcinoma. The sensitivity and specificity exceeds both alpha-fetoprotein and hepatocyte-paraffin1. GPC3 immunohistochemistry can aid in the differentiation of testicular germ cell tumors, being expressed in all yolk sac tumors but not in seminomas. GPC3 expression has also been identified in some squamous cell carcinomas of the lung and clear cell carcinomas of the ovary. Glypican-3 is currently regarded as a tumor marker and potential target for immunotherapy.

Synonym: Glypican-3, GTR2-2, Intestinal protein OCI-5, MXR7, GPC3, OCI5

Molecular Weight: 61.6 kDa

UniProt: [Q8CFZ4](#)

Pathways: [Glycosaminoglycan Metabolic Process](#)

Application Details

Restrictions: For Research Use only

Handling

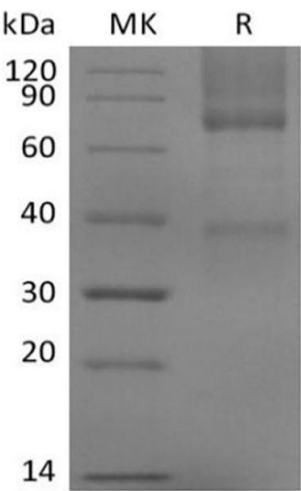
Format: Lyophilized

Reconstitution: Please refer to the printed manual for detailed information.

Buffer: Lyophilized from a 0.2 µm filtered solution of PBS, 5 % Trehalose, pH 7.4.

Storage: 4 °C,-20 °C,-80 °C

Storage Comment: Generally, lyophilized proteins are stable for up to 12 months when stored at -20 to -80°C. Reconstituted protein solution can be stored at 4-8°C for 2-7 days. Aliquots of reconstituted samples are stable at < -20°C for 3 months.



Western Blotting

Image 1.