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Description	Recombinant Human Glypican-3 is produced by our Mammalian expression system and the target gene encoding Gln25-His559 is expressed with a 6His tag at the C-terminus.
Source	Human Cells
Alternative name	Glypican-3; GTR2-2; Intestinal protein OCI-5; MXR7; GPC3; OCI5
Accession No.	P51654
Formulation	Lyophilized from a 0.2 µm filtered solution of PBS, pH 7.4.

Quality Control
Purity: Greater than 95% as determined by reducing SDS-PAGE.
Endotoxin: Less than 0.1 ng/µg (1 IEU/µg) as determined by LAL test.

Shipping
The product is shipped at ambient temperature.
Upon receipt, store it immediately at the temperature listed below.

Storage
Lyophilized protein should be stored at < -20°C, though stable at room temperature for 3 weeks.
Reconstituted protein solution can be stored at 4-7°C for 2-7 days.
Aliquots of reconstituted samples are stable at < -20°C for 3 months.

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 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.

SDS-Page
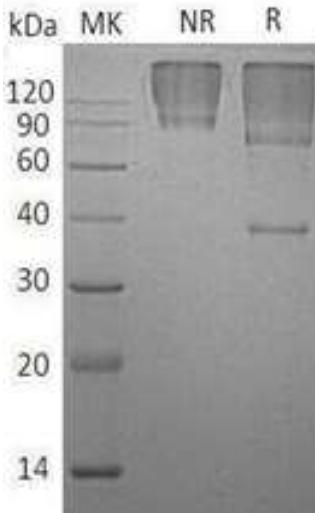
MK: Marker

NR: Sample under non-reducing conditions

R: Sample under reducing conditions