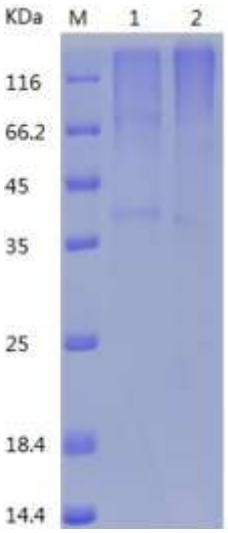
Recombinant Human Glypican-3/GPC3 (C-His)

Catalog No: BP171

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.
Expression System	Human
Alternative name	Glypican-3; GTR2-2; Intestinal protein OCI-5; MXR7; GPC3; OCI5
Accession No.	P51654
Predicted Molecular Weight	61.6kDa
Apparent Molecular Weight	>35kDa
Quality Control	Purity: greater than 95% as determined by reducing SDS-PAGE. Endotoxin: less than 0.1 ng/μg (1 EU/μg) as determined by TAL test.
Formulation	PBS, pH 7.4
Reconstitution	It is not recommended to reconstitute to a concentration less than 100μg/ml. Dissolve the lyophilized protein in distilled water. Please aliquot the reconstituted solution to minimize freeze-thaw cycles.
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. Always centrifuge tubes before opening. Do not mix by vortex or pipetting.
Background	Glypican-3 (GPC3) is a heparan sulfate proteoglycan that belongs to the glypican family. GPC3 is highly expressed in lung, liver, and kidney. GPC3 is overexpressed in various neoplasms including hepatocellular carcinoma, malignant melanoma, and testicular yolk sac tumor, and plays an essential role in cell growth and differentiation. GPC3 has tissue-dependent function. In certain tissues, GPC3 acts as a tumor suppressor gene, whereas in others, it acts as an oncofetal protein. GPC3 expression has also been found in some squamous cell carcinomas of the lung and clear cell carcinomas of the ovary. The role of GPC3 in melanomas is still debated. Thus, GPC3 is currently considered as a tumor marker and potential target for immunotherapy.

SDS-PAGE



M: Marker

1: Sample in reducing conditions

2: Sample in non-reducing conditions