

Datasheet for ABIN7274776

GPC1 Protein (AA 24-529) (His tag)[Go to Product page](#)**2** Images

Overview

Quantity:	100 µg
Target:	GPC1
Protein Characteristics:	AA 24-529
Origin:	Mouse
Source:	HEK-293 Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This GPC1 protein is labelled with His tag.

Product Details

Purpose:	Mouse Glypican 1/GPC1 Protein
Sequence:	Asp24-Ser529
Characteristics:	Recombinant Mouse Glypican 1/GPC1 Protein is expressed from HEK293 with His tag at the C-Terminus. It contains Asp24-Ser529.
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.

Target Details

Target:	GPC1
Alternative Name:	Glypican 1 (GPC1 Products)

Target Details

Background:	CAR-T cells targeting glypican-1 (GPC1)-specific human and murine CAR-T cells generated from our original anti-human/mouse GPC1 antibody showed strong antitumor effects in xenogeneic and syngeneic mouse models, respectively. Importantly, the murine CAR-T cells enhanced endogenous T cell responses against a non-GPC1 tumor antigen through the mechanism of antigen-spreading and showed synergistic antitumor effects with anti-PD-1 antibody without any adverse effects in syngeneic models.
Molecular Weight:	56.8 kDa. Due to glycosylation, the protein migrates to 65-68 kDa based on Tris-Bis PAGE result.
UniProt:	Q9QZF2
Pathways:	Glycosaminoglycan Metabolic Process , Regulation of Muscle Cell Differentiation

Application Details

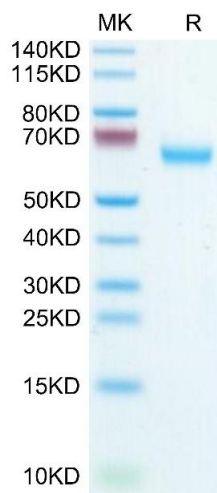
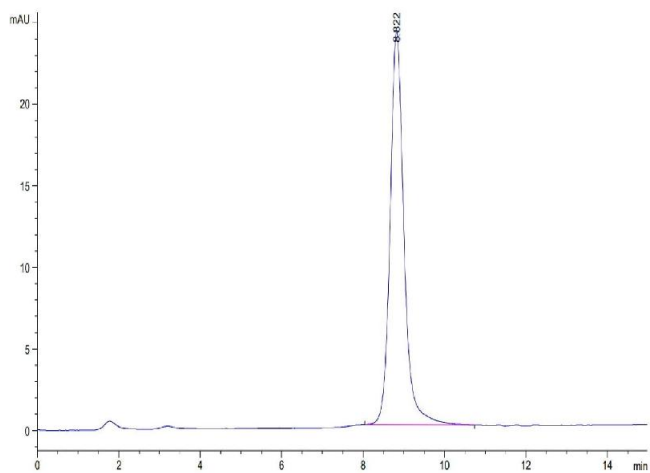
Restrictions:	For Research Use only
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Handling

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 50 mM Tris,150 mM NaCl (pH 7.5). 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

Size-exclusion chromatography-High Pressure Liquid Chromatography

Image 1. The purity of Mouse Glypican 1/GPC1 is greater than 95 % as determined by SEC-HPLC.



SDS-PAGE

Image 2. Mouse Glypican 1/GPC1 on Tris-Bis PAGE under reduced condition. The purity is greater than 95 % .