

# Mouse Glypican 1/GPC1 Protein

Cat. No. GPC-MM111



## Description

|                  |                                                                                                                                    |
|------------------|------------------------------------------------------------------------------------------------------------------------------------|
| Source           | Recombinant Mouse Glypican 1/GPC1 Protein is expressed from HEK293 with His tag at the C-Terminus.                                 |
|                  | It contains Asp24-Ser529.                                                                                                          |
| Accession        | Q9QZF2                                                                                                                             |
| Molecular Weight | The protein has a predicted MW of 56.8 kDa. Due to glycosylation, the protein migrates to 65-68 kDa based on Bis-Tris PAGE result. |
| Endotoxin        | Less than 0.1 EU per µg by the LAL method.                                                                                         |
| Purity           | > 95% as determined by Bis-Tris PAGE                                                                                               |
|                  | > 95% as determined by HPLC                                                                                                        |

## Formulation and Storage

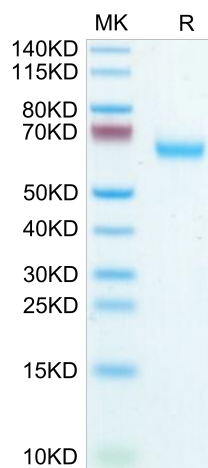
|                |                                                                                                                                                                                                                         |
|----------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Formulation    | Lyophilized from 0.22µm filtered solution in 50mM Tris, 150mM NaCl (pH 7.5). Normally 8% trehalose is added as protectant before lyophilization.                                                                        |
| Reconstitution | Centrifuge the tube before opening. Reconstituting to a concentration more than 100 µg/ml is recommended. Dissolve the lyophilized protein in distilled water.                                                          |
| Storage        | -20 to -80°C for 12 months as supplied from date of receipt. -80°C for 3 months after reconstitution. Recommend to aliquot the protein into smaller quantities for optimal storage. Please minimize freeze-thaw cycles. |

## 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.

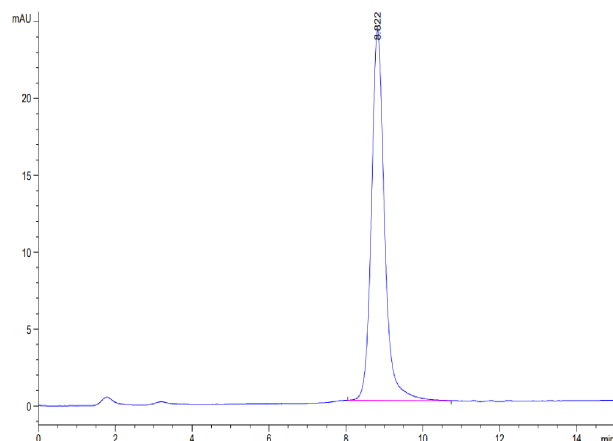
## Assay Data

### Bis-Tris PAGE



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

### SEC-HPLC



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