

# Mouse Glypican 2/GPC2 Protein

Cat. No. GPC-MM121

## Description

<b>Source</b>	Recombinant Mouse Glypican 2/GPC2 Protein is expressed from HEK293 with His tag at the C-Terminus. It contains His22-Ser556.
<b>Accession</b>	Q8BKV1
<b>Molecular Weight</b>	The protein has a predicted MW of 59.9 kDa. Due to autocatalytic cleavage, the protein migrates to 32-35 kDa based on Bis-Tris PAGE result.
<b>Endotoxin</b>	Less than 1EU per $\mu$ g by the LAL method.
<b>Purity</b>	> 95% as determined by Bis-Tris PAGE > 95% as determined by HPLC

## Formulation and Storage

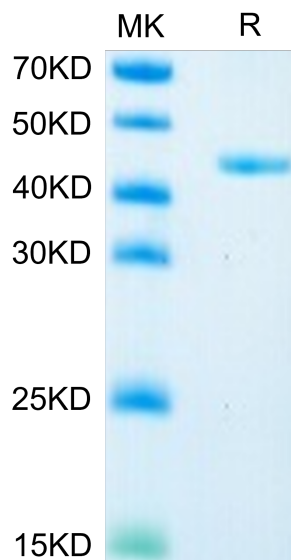
<b>Formulation</b>	Lyophilized from 0.22 $\mu$ m filtered solution in PBS (pH 7.4). Normally 8% trehalose is added as protectant before lyophilization.
<b>Reconstitution</b>	Centrifuge the tube before opening. Reconstituting to a concentration more than 100 $\mu$ g/ml is recommended. Dissolve the lyophilized protein in distilled water.
<b>Storage</b>	-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

Glypicans can function as coreceptors for multiple signaling molecules known for regulating cell growth, motility, and differentiation. Some members of the glypican family, including glypican 2 (GPC2) and glypican 3 (GPC3), are expressed in childhood cancers and liver cancers, respectively. Antibody-based therapies targeting glypicans are being investigated in preclinical and clinical studies, with the goal of treating solid tumors that do not respond to standard therapies.

## Assay Data

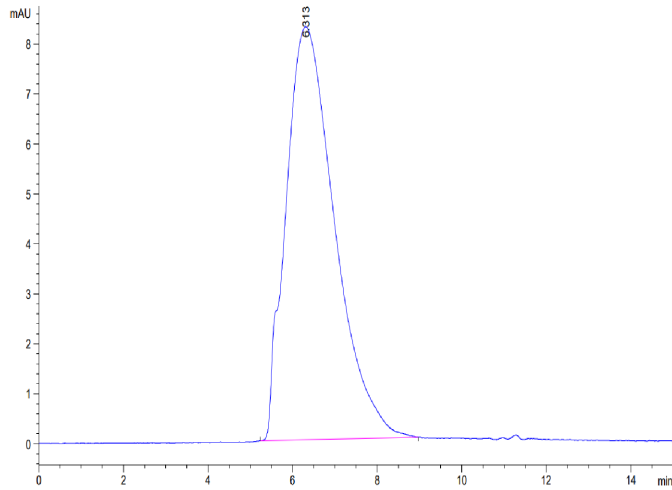
### Bis-Tris PAGE



Mouse Glypican 2/GPC2 on Bis-Tris PAGE under reduced condition. The purity is greater than 95%.

### SEC-HPLC

Assay Data



The purity of Mouse Glypican 2/GPC2 is greater than 95% as determined by SEC-HPLC.