

Datasheet for ABIN7274777

GPC2 Protein (AA 22-556) (His tag)**2** Images[Go to Product page](#)

Overview

Quantity:	100 µg
Target:	GPC2
Protein Characteristics:	AA 22-556
Origin:	Mouse
Source:	HEK-293 Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This GPC2 protein is labelled with His tag.

Product Details

Purpose:	Mouse Glypican 2/GPC2 Protein
Sequence:	His22-Ser556
Characteristics:	Recombinant Mouse Glypican 2/GPC2 Protein is expressed from HEK293 with His tag at the C-Terminus. It contains His22-Ser556.
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:	GPC2
Alternative Name:	Glypican 2 (GPC2 Products)

Target Details

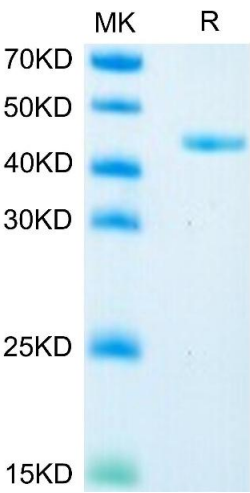
Background:	Glypicans can function as coreceptors for multiple signaling molecules known for regulating cell growth, motility, and differentiation. Some members of the glypican family, including glypican 2 (GPC2) and glypican 3 (GPC3), are expressed in childhood cancers and liver cancers, respectively. 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.
Molecular Weight:	59.9 kDa. Due to autocatalytic cleavage, the protein migrates to 32-35 kDa based on Tris-Bis PAGE result.
UniProt:	Q8BKV1
Pathways:	Glycosaminoglycan Metabolic Process

Application Details

Restrictions:	For Research Use only
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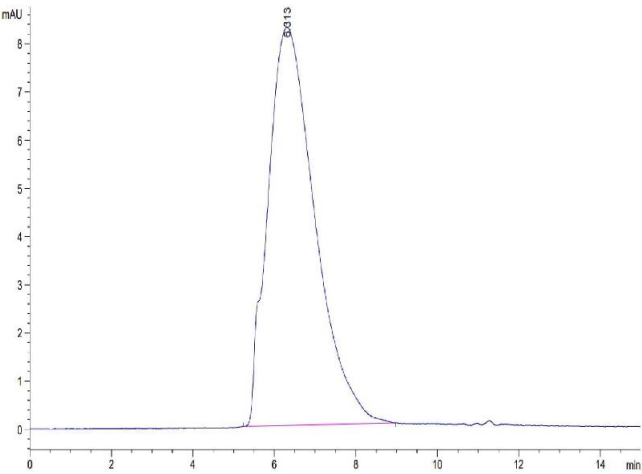
Handling

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 PBS (pH 7.4). 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



SDS-PAGE

Image 1. Mouse Glypican 2/GPC2 on Tris-Bis PAGE under reduced condition. The purity is greater than 95 % .



Size-exclusion chromatography-High Pressure Liquid Chromatography

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