

Datasheet for ABIN6952277
GPC2 Protein (AA 24-552) (His tag)



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2 Images

Overview

Quantity:	100 µg
Target:	GPC2
Protein Characteristics:	AA 24-552
Origin:	Rhesus Monkey
Source:	HEK-293 Cells
Protein Type:	Recombinant
Biological Activity:	Active
Purification tag / Conjugate:	This GPC2 protein is labelled with His tag.

Product Details

Sequence:	AA 24-552
Purity:	>90 % as determined by SDS-PAGE.
Endotoxin Level:	Less than 1.0 EU per µg by the LAL method.

Target Details

Target:	GPC2
Alternative Name:	Glypican 2 (GPC2 Products)
Background:	<p>Glypican 2 (GPC2), also known cerebroglycan, is a glycoposphatidylinositol-linked integral membrane heparan sulfate proteoglycan found in the developing nervous system.</p> <p>Cerebroglycan participates in cell adhesion and is thought to regulate the growth and guidance of axons. Cerebroglycan has especially high affinity for laminin-1. GPC2 silencing inactivates</p>

Target Details

Wnt/ β -catenin signaling and reduces the expression of N-Myc, an oncogenic driver of neuroblastoma tumorigenesis. Immunotoxins and chimeric antigen receptor (CAR) T cells targeting GPC2 inhibit neuroblastoma growth in mouse models. A GPC3 specific antibody drug conjugate (ADC) can also inhibit neuroblastoma cell proliferation.

Molecular Weight: 59.9 kDa

NCBI Accession: [XP_001103286](#)

Pathways: [Glycosaminoglycan Metabolic Process](#)

Application Details

Restrictions: For Research Use only

Handling

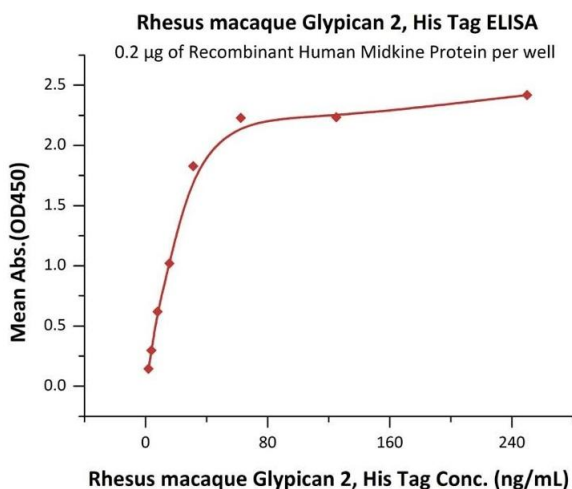
Format: Lyophilized

Buffer: PBS, pH 7.4

Handling Advice: Please avoid repeated freeze-thaw cycles.

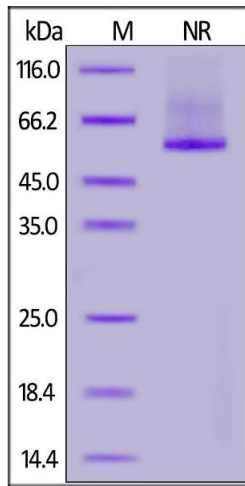
Storage: -20 °C

Images



ELISA

Image 1. Immobilized Recombinant Human Midkine Protein at 2 μ g/mL (100 μ L/well) can bind Rhesus macaque Glypican 2, His Tag (ABIN6950991, ABIN6952277) with a linear range of 2-31 ng/mL (QC tested).



SDS-PAGE

Image 2. Rhesus macaque Glypican 2, His Tag on under ing (NR) condition. The gel was stained overnight with Coomassie Blue. The purity of the protein is greater than 90 % .