



[Go to Product page](#)

Datasheet for ABIN7125990

**GPC1 Protein (Ser486Ala-Mutant, Ser488Ala-Mutant, Ser490Ala-Mutant) (His tag)**

Overview

Quantity:	100 µg
Target:	GPC1
Protein Characteristics:	Ser486Ala-Mutant, Ser488Ala-Mutant, Ser490Ala-Mutant
Origin:	Human
Source:	HEK-293 Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This GPC1 protein is labelled with His tag.

Product Details

Purpose:	Human Glypican 1 / GPC1 (S486A, S488A, S490A) Protein, His Tag (MALS verified)
Sequence:	Asp 24 - Ser 530
Characteristics:	Human Glypican 1 (S486A, S488A, S490A), His Tag is expressed from human 293 cells (HEK293). It contains AA Asp 24 - Ser 530 (Accession # P35052-1 (S486A, S488A, S490A)).
Purity:	>95 % as determined by SDS-PAGE.
Endotoxin Level:	Less than 1.0 EU per µg by the LAL method.
Grade:	MALS verified

Target Details

Target:	GPC1
Alternative Name:	Glypican 1 / GPC1 ( <a href="#">GPC1 Products</a> )

## Target Details

---

**Background:** Synonyms: Glypican 1, GPC1,  
Glypican 1 has been shown to interact with SLIT2. This protein is involved in the misfolding of normal prion proteins in the cell membrane to the infectious prion form. Cell surface heparan sulfate proteoglycans are composed of a membrane-associated protein core substituted with a variable number of heparan sulfate chains. Members of the glypican-related integral membrane proteoglycan family (GRIPS) contain a core protein anchored to the cytoplasmic membrane via a glycosyl phosphatidylinositol linkage. These proteins may play a role in the control of cell division and growth regulation.

**Molecular Weight:** 57.9 kDa

**NCBI Accession:** [NP\\_002072](#)

**Pathways:** [Glycosaminoglycan Metabolic Process](#), [Regulation of Muscle Cell Differentiation](#)

## Application Details

---

**Application Notes:** This protein carries a polyhistidine tag at the C-terminus. The protein has a calculated MW of 57.9 kDa. The protein migrates as 58-61 kDa under reducing (R) condition (SDS-PAGE) due to glycosylation.

**Restrictions:** For Research Use only

## Handling

---

**Format:** Lyophilized

**Buffer:** 50 mM Tris, 150 mM NaCl, pH 7.5

**Storage:** -20 °C

**Storage Comment:** -20°C