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Datasheet for ABIN7534510  
**GPC1 Protein (His tag)**

### Overview

Quantity:	100 µg
Target:	GPC1
Origin:	Human
Source:	HEK-293 Cells
Protein Type:	Recombinant
Biological Activity:	Active
Purification tag / Conjugate:	This GPC1 protein is labelled with His tag.

### Product Details

Purpose:	Active Recombinant Human Glypican-1/GPC1 Protein
Sequence:	DPASKSRSCG EVRQIYGAKG FSLSDVPQAE ISGEHLRIPC QGYTCCTSEM EENLANRSHA ELETALRDSS RVLQAMLATQ LRSFDDHFQH LLNDSERTLQ ATFPGAFGEL YTQNARAFRD LYSELRLYYR GANLHLEETL AEFWARLLER LFKQLHPQLL LPDDYLDCLG KQAEALRPFG EAPRELRLRA TRAFVAARSF VQGLGVASDV VRKVAQVPLG PECSRAVMKL VYCAHCLGVP GARPCPDYCR NVLKGCLANQ ADLDAEWRNL LDSMVLITDK FWGTSGVESV IGSVHTWLAE AINALQDNRD TLTAKVIQGC GNPKVNPQGP GPEEKRRRGK LAPRERPPSG TLEKLVSEAK AQLRDVQDFW ISLPGTLCSE KMALSTASDD RCWNGMARGR YLPEVMGDGL ANQINNPEVE VDITKPDMTI RQIMQLKIM TNRLRSAYNG NDVDFQDASD DGSGSGSGDG CLDDL CGRKY SRKSSSRTP LTHALPGLSE QEQQ
Specificity:	Asp24-Gln527
Purity:	> 97 % by SDS-PAGE.

## Product Details

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Sterility:	0.22 µm filtered
Biological Activity Comment:	Measured by its binding ability in a functional ELISA. Immobilized Human FGF2 at 1 µg/mL (100 µL/well) can bind Human Glypican 1 with a linear range of 2-80 ng/mL.

## Target Details

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Target:	GPC1
Alternative Name:	Glypican-1/GPC1 ( <a href="#">GPC1 Products</a> )
Background:	<p>Description: 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.</p> <p>Name: GPC1, glypican</p>
Gene ID:	2817
UniProt:	<a href="#">P35052</a>
Pathways:	<a href="#">Glycosaminoglycan Metabolic Process</a> , <a href="#">Regulation of Muscle Cell Differentiation</a>

## Application Details

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Restrictions:	For Research Use only
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## Handling

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Format:	Lyophilized
Reconstitution:	Centrifuge the vial before opening. Reconstitute to a concentration of 0.1-0.5 mg/mL in sterile distilled water. Avoid vortex or vigorously pipetting the protein. For long term storage, it is recommended to add a carrier protein or stabilizer (e.g. 0.1 % BSA, 5 % HSA, 10 % FBS or 5 % Trehalose), and aliquot the reconstituted protein solution to minimize free-thaw cycles.
Buffer:	Lyophilized from a 0.22 µm filtered solution of PBS, pH 7.4.
Storage:	-20 °C, -80 °C
Storage Comment:	Store the lyophilized protein at -20°C to -80 °C for long term. After reconstitution, the protein solution is stable at -20 °C for 3 months, at 2-8 °C for up to 1 week.