

# Recombinant human Glypican 4 protein

Catalog Number: ATGP2616

## PRODUCT INFORMATION

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### Expression system

E.coli

### Domain

401-529aa

### UniProt No.

O75487

### NCBI Accession No.

NP\_001439.2

### Alternative Names

Glypican 4, Glypican 4, dj900E8.1, glypican proteoglycan 4

## PRODUCT SPECIFICATION

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### Molecular Weight

18 kDa (165aa) confirmed by MALDI-TOF (Molecular weight on SDS-PAGE will appear higher)

### Concentration

0.25mg/ml (determined by Bradford assay)

### Formulation

Liquid in. 20mM Tris-HCl buffer (pH 8.0) containing 0.1M NaCl, 10% glycerol

### Purity

> 85% by SDS-PAGE

### Tag

His-Tag

### Application

SDS-PAGE

### Storage Condition

Can be stored at +2C to +8C for 1 week. For long term storage, aliquot and store at -20C to -80C. Avoid repeated freezing and thawing cycles.

## BACKGROUND

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### Description

Glypican 4, also known as GPC4, is a family of glycosylphosphatidylinositol (GPI) -anchored heparan sulphate proteoglycans (HSPGs) that may play a role in the control of cell division and growth regulation. GPC4 is widely expressed in human tissues, including lung, kidney, heart, placenta, skeletal muscle, and pancreas. GPC4 has also been shown to be present in astrocytes, haematopoietic-progenitor and bone-marrow-stromal cells. Recombinant human GPC4 protein, fused to His-tag at N-terminus, was expressed in E. coli and purified by using conventional chromatography techniques.

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## Amino acid Sequence

<MRGSHHHHHH GMASMTGGQQ MGRDLYDDDD KDRWGS>SSLP SNVCNDERMA AGNGNEDDCW NGKGKSRYLE  
AVTGNGLANQ GNNPEVQVDT SKPDILILRQ IMALRVMTSK MKNAYNGNDV DFFDISDESS GEGSGSGCEY QQCPSEFDYN  
ATDHAGKSAN EKADS

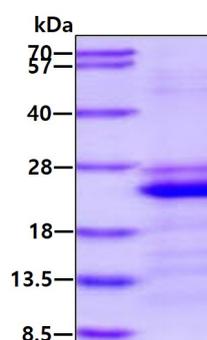
## General References

Fico A., et al. (2012) Stem Cells. 30(9): 1863-74.  
Ybot Gonzalez P., et al. (2005) Dev Dyn. 233(3): 1013-7.

## DATA

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### SDS-PAGE



3ug by SDS-PAGE under reducing condition and visualized by coomassie blue stain.