

# Recombinant human Glypican 3 protein

Catalog Number: ATGP3584

## PRODUCT INFORMATION

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### Expression system

Baculovirus

### Domain

25-559aa

### UniProt No.

P51654

### NCBI Accession No.

NP\_004475

### Alternative Names

Glypican-3 isoform 2, GPC3, DGSX, GTR2-2, MXR7, OCI-5, SDYS, SGB, SGBS, SGBS1

## PRODUCT SPECIFICATION

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### Molecular Weight

61.8 kDa (544aa)

### Concentration

0.5mg/ml (determined by absorbance at 280nm)

### Formulation

Liquid in. Phosphate-Buffered Saline (pH 7.4) containing 10% glycerol

### Purity

> 90% by SDS-PAGE

### Endotoxin level

< 1 EU per 1ug of protein (determined by LAL method)

### 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

GPC3, also known as glypican-3 isoform 2, is a member of the glypican family. It belongs to the glypican family and is highly expressed in lung, liver, and kidney. Also, it has tissue dependent. In some tissues, it acts as a tumor suppressor gene and an oncofetal protein. This protein is currently regarded as a tumor marker and potential target for immunotherapy. Recombinant human GPC3, fused to His-tag at C-terminus, was expressed in

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insect cell and purified by using conventional chromatography techniques.

## Amino acid Sequence

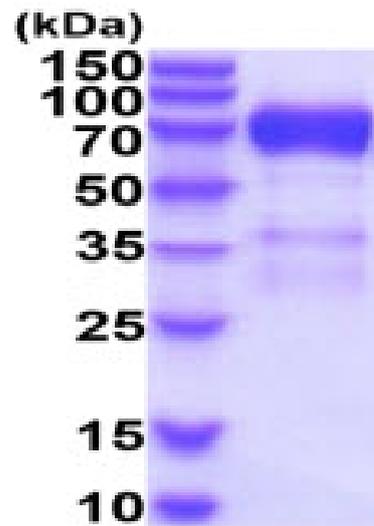
ADPQPPPPPP DATCHQVRSF FQLRQPGLKW VPETVPGSD LQVCLPKGPT CCSRKMEEKY QLTARLNMEQ LLQSASMELEK  
FLIIQNAAVF QEAFEIVVRH AKNYTNAMFK NNYPSTLPQA FEFVGEFFTD VSLYILGSDI NVDDMVNELF DSLFPVIYTQ  
LMNPGLPDSA LDINECLRGA RRDLKVFGNF PKLIMTQVSK SLQVTRIFLQ ALNLGIEVIN TTDHLKFSKD CGRMLTRMWY  
CSYCQGLMMV KPCGGYCINV MQGCMAGVVE IDKYWREYIL SLEELVNGMY RIYDMENVLL GLFSTIHDSI QYVQKNAGKL  
TTTIGKLCAH SQQRQYRSAY YPEDLFIDKK VLKVAHVEHE ETLSSRRREL IQKLKSFISF YSALPGYICS HSPVAENDTL  
CWNGQELVER YSQAARNGM KNQFNLHELK MKGPEPVVSQ IIDKCLKHINQ LLRTMSMPKG RVLDKNLDEE GFESGDCGDD  
EDEICIGSGD GMIKVKNQLR FLAELAYDLD VDDAPGNSQQ ATPKDNEIST FHNLGNVHHH HHHH

## General References

Feng J., et al, (2016) PLoS ONE 11:E0151501.  
Davoodi J., et al, (2007) Proteomics 7:2300-2310.

## DATA

### SDS-PAGE



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

### 15% SDS-PAGE (3ug)