

Recombinant human Glypican 3 protein

Catalog Number: ATGP3584

PRODUCT INFORMATION

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

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

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

Recombinant human Glypican 3 protein

Catalog Number: ATGP3584

insect cell and purified by using conventional chromatography techniques.

Amino acid Sequence

ADPQPPPPPP DATCHQVRSF FQRLQPGLKW VPETVPGSD LQVCLPKGPT CCSRKMEEKY QLTARLNMEQ LLQSASMELK
FLIIQNAAVF QEAFEIVVRH AKNYTNAMFK NNYPSTLPQA FEFVGEFFTD VSLYILGSDI NVDDMVNELF DSLFPVIYTQ
LMNPGLPDSA LDINECLRGA RRD LKVFGNF 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 IIDKLKHINQ LLRTMSMPKG RVLDKNLDEE GFESGDCGDD
EDEICGGSGD GMIKVKNQLR FLAELAYDLD VDDAPGNSQQ ATPKDNEIST FHN LGNVHHH HHHH

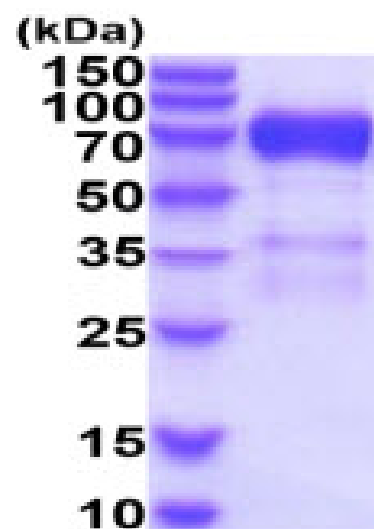
General References

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)