9051 Mira Mesa Blvd, #910094
San Diego, CA 92191
Tel: 760-390-3989

GPC3 Human

Glypican-3 Human Recombinant
RCP0956

Product Overview

Name	GPC3 Human
Description	
Glypican-3 Human Recombinant	
Accession (Primary)	P51654
Synonyms	
Glypican 3, Intestinal Protein OCI-5, Glypican Proteoglycan 3, GTR2-2, MXR7, Heparan Sulphate Proteoglycan, Secreted Glypican-3, Glypican-3, OCI-5, SGBS1, DGSX, SGBS, SDYS, OCI5, SGB, GPC3.	
Introduction	
Glypican-3 (GPC3) belongs to the glypican family, and is highly expressed in the lung, liver, and the kidney. In some tissues, GPC3 functionss as a tumor suppressor gene and an oncofetal protein. The Glypican-3 protein is currently considered as a tumor marker and potential target for immunotherapy. Glypican-3 binds to and inhibits the dipeptidyl peptidase activity of CD26, and it can also induce apoptosis in certain cell types. Deletion mutations in the GPC3 gene are linked with Simpson-Golabi-Behmel syndrome, aka Simpson dysmorphia syndrome.	
Source	
Sf9, Baculovirus cells.	
Physical Appearance	
Sterile filtered colorless solution.	
Formulation	
GPC3 protein solution (0.5mg/ml) contains Phosphate Buffered Saline (pH 7.4) and 10% glycerol.	
Stability	
Store at 4°C if entire vial will be used within 2-4 weeks. Store, frozen at -20°C for longer periods of time. For long term storage it is recommended to add a carrier protein (0.1% HSA or BSA). Avoid multiple freeze-thaw cycles.	
Purity	
Greater than 90.0% as determined by SDS-PAGE.	
Amino acid sequence	
ADP QPPPPPP DATCHQVRSF FQRLQPGLKW VPETPVPGSD LQVCLPKGPT CCSRKMEEKY QLTARLNMEQ LLQSASMELK FLIIQNAAVF QEAFEIVVRH AKNYTNAMFK NNYPSLTPQA FEFVGEFFTD VSLYILGSDI NVDDMVNELF DSLFPVIYTQ LMNPGLPDSA LDINECLRGA RRDLKVFGNF PKLIMTQVSK SLQVTRIFLQ	

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ALNLGIEVIN TTDHLKFSKD CGRMLTRMWY CSYCQGLMMV KPCGGYCNVV MQGCMAGVVE IDKYWREYIL SLEELVNGMY RIYDMENVLL GLFSTIHDSI QYVQKNAGKL TTTIGKLCAH SQQRQYRSAY YPEDLFIDKK VLKVAHVEHE ETLSSRRREL IQKLKSFISF YSALPGYICS HSPVAENDTL CWNGQELVER YSQKAARNGM KNQFNLHELK MKGPEPVVSQ IIDKLKHINQ LLRTMSMPKG RVLDKNLDEE GFESGDCGDD EDECIGGSGD GMIKVKNQLR FLAELAYDLD VDDAPGNSQQ ATPKDNEIST FHNLGNVH HH HHHH .

Precautions

GPC3 Human is for research use only and not for use in diagnostic or therapeutic procedures.

Target Information: (P51654)