

32-13250: GPC3 Human

Alternative Name : 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.

Description

Source: Sf9, Baculovirus cells.

Sterile filtered colorless solution.

Glypican-3 (GPC3) belongs to the glypican family, and is highly expressed in the lung, liver, and the kidney. In some tissues, GPC3 functions 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.

GPC3 Human Recombinant produced in Sf9 Baculovirus cells is a single, glycosylated polypeptide chain containing 544 amino acids (25-559a.a.) and having a molecular mass of 61.8kDa (Molecular size on SDS-PAGE will appear at approximately 50-70kDa). GPC3 is expressed with a 6 amino acids His tag at C-Terminus and purified by proprietary chromatographic techniques.

Product Info

Amount : 2 µg / 10 µg

Purification : Greater than 90.0% as determined by SDS-PAGE.

Content : GPC3 protein solution (0.5mg/ml) contains Phosphate Buffered Saline (pH 7.4) and 10% glycerol.

Storage condition : 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.

Amino Acid : ADPQPPPPPP DATCHQVRSF FQRLQPLKWK VPETPVPVGS LQVCLPKGPT CCSRKMEEKY QLTARLNMEQ LLQSASMEK FLIIQNAAVF QEAFAIVVRH AKNYTNAMFK NNYPSTLTPQA FEFVGEFFTD VSLYLGSDI NVDDMVNELF DSLFPVIYTQ LMNPLPDSA LDINECLRGA RRDCLKVGFNF PKLIMTQVSK SLQVTRIFLQ ALNLGIEVIN TTDHLKFSKD CGRMLTRMWY CSYCQGLMMV KPCGGYCNVV MQGCMAGVVE IDKYWREYIL SLEELVNGMY RIYDMENVLL GLFSTIHDSI QYVQKNAGKL TTTIGKCAH SQQRQYRSAY YPEDLFIDKK VLKVAHVEHE ETLSSRRREL IQKLKSFISF YSALPGYICS HSPVAENDTL CWNGQELVER YSQAARNGM KNQFNLHELK MKGPEPVVSQ IIDKCLKHINQ LLRTMSMPKG RVLDKNLDEE GFESGDCGDD EDECIGGSGD GMIKVKVQLR FLAELAYDLV VDDAPGNSQQ ATPKDNEIST FHNLGNVHHH HHHH.