

GPC3, 25-559aa, Human, His-tag, Baculovirus

Cat.NO.: TP02313

3th Edition

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

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 insect cell and purified by using conventional chromatography techniques.

Form:Liquid. In Phosphate Buffered Saline (pH 7.4) containing 10% glycerol.

Molecular Weight:61.8kDa (544aa), 50-70kDa (SDS-PAGE under reducing conditions.)

Sequences:

ADPQPPPPPPDATCHQVRSFFQRLQPGLKWWPETPVPGSDLQVCLPKGPTCCSRKMEEKYQLTARLNMEQLLQS
ASMELKFLIIQNAAVFQEAFEIVVRHAKNYTNAMFKNNYPSLTPQAFEFVGEFFTDVSLYILGSDINVDDMVNELFDS
LFPVIYTQLMNPGLPDSALDINECLRGARRDLKVFNGFPKLIMTQVSKSLQVTRIFLQALNLGIEVINTTDHLKFSKDC
GRMLTRMWYCSYCQGLMMVKPCGGYCNVVMQGC MAGVVEIDKYWREYILSLEELVNGMYRIYDMENVLLGLFST
IHDSIQYVQKNAGKLT TTTIGKLCAHSQQRQYRSAYYPEDLFIDKKVLKVAHVEHEETLSSRRRELIQKLKSFISFYSAL
PGYICSHSPVAENDTLCWNGQELVERYSQKAARNGMKNQFNLHELKMKGPPEPVVSQIIDKCLKHINQLLRRTMSMPK
GRVLDKNLDEEGFESGDCGDEDECIGGSGDGMIVKNQLRFLAELAYDLVDVDDAPGNSQQATPKDNEISTFHNL
GNVHHHHHHH

Purity:> 95% by HPLC

Concentration:0.5mg/ml (determined by Absorbance at 280nm)

Endotoxin Level:<1.0 EU per 1 ug of protein (determined by LAL method)

Storage:Can be stored at +4°C short term (1-2 weeks). For long term storage, aliquot and store at -20°C or -70°C. Avoid repeated freezing and thawing cycles.