

Recombinant Human GPC4, His-tagged

Cat. No. GPC4-5120H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant human GPC4 protein, fused to His-tag at N-terminus, was expressed in E.coli and purified by using conventional chromatography techniques.
Species	Human
Source	E.coli
Description	Glypican 4, also known as GPC4, is a family of glycosylphosphatidylinositol (GPI)-anchored heparan sulphate proteoglycans (HSPGs) that may play a role in the control of cell division and growth regulation. GPC4 is widely expressed in human tissues, including lung, kidney, heart, placenta, skeletal muscle, and pancreas. GPC4 has also been shown to be present in astrocytes, haematopoietic-progenitor and bone-marrow-stromal cells.
Form	Liquid. In 20mM Tris-HCl buffer (pH 8.0) containing 0.1M NaCl, 10% glycerol
Molecular Mass	18 kDa (165aa) confirmed by MALDI-TOF(Molecular size on SDS-PAGE will appear higher)
AA Sequence	MRGSHHHHHH GMASMTGGQQ MGRDLYDDDD KDRWGSSSLP SNVCNDERMA AGNGNEDDCW NGKGKSRYL AVTGNGLANQ GNNPEVQVDT SKPDILILRQ IMALRVMTSK MKNAYNGNDV DFFDISDESS GEGSGSGCEY QQCPSEFDYN ATDHAGKSAN EKADS
Purity	>85% by SDS - PAGE

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Applications	SDS-PAGE
Storage	Can be stored at +4centigrade short term (1-2 weeks). For long term storage, aliquot and store at -20centigrade or -70centigrade. Avoid repeated freezing and thawing cycles.
Concentration	0.25 mg/ml (determined by Bradford assay)
GENE INFORMATION	
Gene Name	GPC4 glypican 4 [Homo sapiens]
Official Symbol	GPC4
Synonyms	GPC4; glypican 4; glypican-4; glypican proteoglycan 4; K glypican; dJ900E8.1 (glypican 4); K-glypican;
Gene ID	2239
mRNA Refseq	NM_001448
Protein Refseq	NP_001439
MIM	300168
UniProt ID	O75487
Chromosome Location	Xq26.1
Pathway	Wnt signaling pathway, organism-specific biosystem; Wnt signaling pathway, conserved biosystem;

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Function

heparan sulfate proteoglycan binding;

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