

AR51436PU-S

Human Glypican-4 (GPC4) (401-529, His-tag) - Purified

Alternate names:

Glypican 4, K-glypican

Quantity:

50 µg

Concentration:

0.25 mg/ml (determined by Bradford assay)

Background:

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.

Uniprot ID:

[O75487](#)

NCBI:

[NP_001439](#)

GeneID:

[2239](#)

Species:

Human

Source:

E. coli

Format:

State: Liquid purified protein

Purity: >85% by SDS - PAGE

Buffer System: 20 mM Tris-HCl buffer (pH 8.0) containing 0.1M NaCl, 10% glycerol

Description:

Recombinant human GPC4 protein, fused to His-tag at N-terminus, was expressed in E.coli and purified by using conventional chromatography techniques.

AA Sequence:

MRGSHHHHHH GMASMTGGQQ MGRDLYDDDD KDRWGSSSLP SNVCNDERMA AGNGNEDDCW
NGKGKSRYL AVTGNGLANQ GNNPEVQVDT SKPDILILRQ IMALRVMTSK MKNAYNGNDV
DFFDISDESS GEGSGSGCEY QQCPSEFDYN ATDHAGKSAN EKADS

Molecular weight: 18 kDa (165aa) confirmed by MALDI-TOF

Storage:

Store undiluted at 2-8°C for one week or (in aliquots) at -20°C to -80°C for longer.

Avoid repeated freezing and thawing.

Shelf life: one year from despatch.

General Readings:

Fico A., et al. (2012) Stem Cells. 30(9): 1863-74.

Ybot Gonzalez P., et al. (2005) Dev Dyn. 233(3): 1013-7.

Pictures:

