

## Glypican-4 Recombinant Protein | GPC4 recombinant protein

Recombinant Human Glypican-4, 511 a.a.

|                              |                       |
|------------------------------|-----------------------|
| CATALOG #<br><b>AAA38006</b> | HOST<br><b>E Coli</b> |
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### PRODUCT SYNONYMS

Glypican-4; Recombinant Human Glypican-4; 511 a.a.; GPC4 511 aa Human; Glypican-4 511 aa Human Recombinant; Glypican 4; Glypican Proteoglycan 4; K-glypican; DJ900E8.1 (Glypican 4); glypican-4; GPC4 recombinant protein

### PRODUCT SPECIFICATIONS

|                         |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |
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| Host                    | E Coli                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |
| Purity/Purification     | Purity as determined by densitometric image analysis is greater than 90%.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |
| Form/Format             | Glypican-4 filtered (0.4 um) solution at a concentration of 0.2mg/ml in 20mM Tris buffer, 50mM NaCl, pH 8.0 and 5mM DTT.<br>Filtered colorless solution.                                                                                                                                                                                                                                                                                                                                                                                                                                                             |
| Sequence                | MKHHHHH HASALL AAELKSKSCS EVRRLVSKG FNKNDAPLHE INGDLKICP QGSTCCSQEM EEKYSLSQSKD<br>DFKSVVSEQC NHLQAVFASR YKKFDEFFKE LLENAEKSLN DMFVKTYGHL YMQNSSELFKD LFVELKRYIV<br>VGNVNLEEML NDFWARLLER MFRLVNSQYH FTDEYLECVS KYTEQLKPGF DVPRKLKLQV TRAFVAARTF<br>AQGLAVAGDV VSKVSVVNPT AQCTHALLKM IYCSHCRGLV TVKPCYNYCS NIMRGCLANQ GDLD FEWN NF<br>IDAML MVAER LEGPFNIESV MDPIDVKISD AIMNMQDNSV QVSQKVFQGC GPPKPLPAGR ISRSISESAF<br>SARFRPHHPE ERPTTAAGTS LDRLVTDVKE KLKQAKKFWS SLPSNVCNDE RMAAGNGNED DCWNGKGKSR<br>YLFVGTGNGL ANQGNNPEVQ VDTSKPDILI LRQIMALRVM TSKMKNAYNG NDVDFDISD ESSGEGSGSG<br>CEYQQCPSEF DYNATDHAGK SANEKADS |
| Sequence Length         | 556                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |
| Preparation and Storage | Store at 4 degree C if entire vial will be used within 2-4 weeks. Store, frozen at -20 degree 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.                                                                                                                                                                                                                                                                                                                                                                   |

### ADDITIONAL INFORMATION

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| Related Product Information for GPC4 recombinant protein | <p>Introduction: Glypican 4, also known as GPC4, is part of a family of glycosylphosphatidylinositol (GPI)-anchored heparan sulphate proteoglycans (HSPGs) which take part in the control of cell division and growth regulation. GPC4 is broadly expressed in human tissues, including lung, kidney, heart, placenta, skeletal muscle, and pancreas. In addition, GPC4 has been shown to be present in astrocytes, haematopoietic-progenitor and bone-marrow-stromal cells.</p> <p>Description: Glypican-4 Human Recombinant produced in E Coli is a single, non-glycosylated, polypeptide chain (Ala19-Ser529) containing 521 amino acids including a 10 aa His tag at N-terminus. The total calculated molecular mass is 58.7kDa.</p> |
| Product Categories/Family for GPC4 recombinant protein   | <a href="#">Recombinant &amp; Natural Proteins</a>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |

### NCBI AND UNIPROT INFORMATION

|                  |                             |
|------------------|-----------------------------|
| NCBI GI #        | 21614525                    |
| NCBI GeneID      | 2239                        |
| NCBI Accession # | <a href="#">NP_001439.2</a> |

|                                  |                                                                                                                                                                                                       |
|----------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| NCBI GenBank Nucleotide #        | <a href="#">NM_001448.2</a>                                                                                                                                                                           |
| UniProt Accession #              | <a href="#">O75487</a> ; <a href="#">Q6ZMA6</a> ; <a href="#">Q96L43</a> ; <a href="#">Q9NU08</a> ; <a href="#">Q9UJN1</a> ; <a href="#">Q9UPD9</a> ; <a href="#">B2R6J7</a> ; <a href="#">B4E2C0</a> |
| Molecular Weight                 | 54,910 Da                                                                                                                                                                                             |
| NCBI Official Full Name          | glypican-4                                                                                                                                                                                            |
| NCBI Official Synonym Full Names | glypican 4                                                                                                                                                                                            |
| NCBI Official Symbol             | GPC4                                                                                                                                                                                                  |
| NCBI Official Synonym Symbols    | K-glypican                                                                                                                                                                                            |
| NCBI Protein Information         | glypican-4                                                                                                                                                                                            |
| UniProt Protein Name             | Glypican-4                                                                                                                                                                                            |
| UniProt Gene Name                | <b>GPC4</b>                                                                                                                                                                                           |
| UniProt Entry Name               | GPC4_HUMAN                                                                                                                                                                                            |

**For Research Use Only.** Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

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Online datasheet: <https://www.aaabiotech.com/gpc4-recombinant-protein-e-coli/38006>