
Product Data Sheet

Product Name: GPC4 511 aa Human
 Cat. No.: GP23591
 Batch No.: 1

Product Data

Purity	>98%	Source	Escherichia Coli.
Physical Appearance	solid	Shipping Condition	Shipped with Ice Packs.
Synonyms	Glypican 4; Glypican Proteoglycan 4; K-glypican; DJ900E8.1 (Glypican 4); glypican-4.		
Amino Acid Sequence	MKHHHHHHASALLAAELKSK SCSEVRRLYV SKGFNKNDAP LHEINGDHLK ICPQGSTCCS QEMEEKYSLQ SKDDFKSVVS EQCNHLQAVF ASRYKKFDEF FKELLENAEK SLNDMFVKTY GHLYMQNSEL FKDLFVELKR YYVVGNVNLE EMLNDFWARL LERMFRLVNS QYHFTDEYLE CVSKYTEQLK PFGDVPRKLLK LQVTRAFVAA RTFAQGLAVA GDVVSQVSVV NPTAQCTHAL LKMIYCSHCR GLVTVKPCYN YCSNIMRGCL ANQGDLDFFEW NNFIDAMLMV AERLEGPFNI ESVMDPIDVK ISDAIMNMQD NSVQVSQKVF QGCGPPKPLP AGRISRSISE SAFSARFRPH HPEERPTTAA GTSLDRLVTD VKEKLLQAKK FWSSLPSNVC NDERMAAGNG NEDDCWNGKG KSRYLFAVTG NGLANQGNNP EVQVDTSKPD ILILRQIMAL RVMTSKMKNA YNGNDVDFFD ISDESSGEGS GSGCEYQQCP SEFDYNATDH AGKSANEKAD S.		
Formulation	Glypican-4 filtered (0.4µm) solution at a concentration of 0.2mg/ml in 20mM Tris buffer, 50mM NaCl, pH 8.0 and 5mM DTT.		

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.

Stability

Store at 4°C if entire vial will be used within 2-4 weeks. Store frozen at -20°C for longer

Caution: Product has not been fully validated for medical applications. For research use only.

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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.

Background

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.

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