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## Product Data Sheet

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Product Name: GPC4 Human  
 Cat. No.: GP23590  
 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	MRGSHHHHHH GMASMTGGQQ MGRDLYDDDD KDRWGSSSLP SNVCNDERMA AGNGNEDDCW NGKKGSRYL AVTGNGLANQGNNPEVQVDT SKPDILILRQ IMALRVMTSK MKNAYNGNDV DFFDISDESS GEGSGSGCEY QQCPSEFDYNATDHAGKSAN EKADS		
Formulation	GPC4 protein solution (0.25 mg/ml) containing 20mMTris-HCl buffer (pH 8.0), 0.1M NaCl and 10% glycerol.		

### 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 periods of time. For long term storage it is recommended to add a carrier protein (0.1% HSA or BSA). Please avoid freeze thaw cycles.

### Background

GPC4 Human Recombinant produced in E. Coli is a single, non-glycosylated polypeptide chain containing 165 amino acids (401-529a.a) and having a molecular mass of 18kDa. GPC4 is fused to a 36 amino acid His-tag at N-terminus & purified by proprietary

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

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chromatographic techniques.

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