
Product Data Sheet

Product Name: SDC2 Human
 Cat. No.: GP24507
 Batch No.: 1

Product Data

Purity	>98%	Source	Sf9, Baculovirus cells.
Physical Appearance	solid	Shipping Condition	Shipped with Ice Packs.
Synonyms	Syndecan 2; Heparan Sulfate Proteoglycan 1 Cell Surface-Associated; Heparan Sulfate Proteoglycan Core Protein; Syndecan Proteoglycan 2; Fibroglycan; HSPG1; SYND2; HSPG; Cell Surface-Associated Heparan Sulfate Proteoglycan 1; CD362 Antigen; Syndecan-2; CD362; SDC2.		
Amino Acid Sequence	ADPESRAELT SDKDMYLDNS SIEEASGVYP IDDDDYASAS GSGADEDVES PELTTSRPLP KILLTSAAPK VETTTLNIQN KIPAQTKSPE ETDKEKVHLS DSERKMDPAE EDTNVYTEKH SDSLFKRTEH HHHHH.		
Formulation	SDC2 protein solution (0.25mg/ml) contains Phosphate Buffered Saline (pH 7.4) and 10% glycerol.		

Introduction

Syndecan 2 (SDC2) is a conserved family of heparan- and chondroitin-sulfate carrying transmembrane protein. Syndecan 2 is a cell membrane proteoglycan which modulates the activity and dynamics of some growth factor receptors and integrins. SDC2 is expressed in HSCs (hepatic stellate cells), a key cell type involved in matrix deposition in liver fibrotic disorders. SDC2 is implicated in the formation of specialized membrane domains and serves as a direct link between the extracellular environment and the organization of the cortical cytoplasm.

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). Avoid multiple freeze-thaw cycles.

Background

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

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SDC2 Human Recombinant produced in Sf9 Baculovirus cells is a single, glycosylated polypeptide chain containing 135 amino acids (19-144a.a.) and having a molecular mass of 15kDa (Molecular size on SDS-PAGE will appear at approximately 18-28kDa). SDC2 is expressed with a 6 amino acids His tag at C-Terminus and purified by proprietary chromatographic techniques.

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