9051 Mira Mesa Blvd, #910094
San Diego, CA 92191
Tel: 760-390-3989

SDC4 Human

Syndecan-4 Human Recombinant
RCP2009

Product Overview

Name	SDC4 Human
Description	
Syndecan-4 Human Recombinant	
Accession (Primary)	P31431
Synonyms	
SDC-4, SYND4, SYND-4, Amphiglycan, Ryudocan core protein, Syndecan-4.	
Introduction	
Syndecan-4 is a type I integral membrane heparan sulfate proteoglycan (HSPG), which was originally isolated from cloned rat microvascular endothelial cells as an antithrombin-binding molecule, and is now known to be a member of the syndecan family. Syndecan-4 binds to basic fibroblast growth factor (bFGF), midkine, and tissue factor pathway inhibitor via its heparan sulfate chains, and is thought to be involved in various biologic functions such as signaling of bFGF, anticoagulation, and focal adhesion formation. A previous study demonstrated that syndecan-4 is expressed in various tissues, and its level of expression in the kidney is stronger than those of other syndecan family members. Thus, syndecan-4 is thought to play certain roles in maintaining renal function. Moreover, it has been reported that proteoglycans, especially sulfated proteoglycans, are involved in organogenesis of the kidney.	
Source	
Escherichia Coli.	
Physical Appearance	
Sterile filtered colorless solution.	
Formulation	
Syndecan-4 (1mg/ml) protein solution containing 20mM Tris-HCl pH-8, and 10% glycerol.	
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 prevent freeze thaw cycles.	
Purity	
Greater than 85% as determined by SDS-PAGE.	
Amino acid sequence	
MESIRETEVI DPQDLLEGRY FSGALPDDED VVGPGQESDD FELSGSGDLD DLEDSMIGPE VVHPLVPLDN	

9051 Mira Mesa Blvd, #910094
San Diego, CA 92191
Tel: 760-390-3989

HIPERAGSGS QVPTEPKKLE ENEVIPKRIS PVEESEDVSN KVSMSSTVQG SNIFERTE.

Precautions

SDC4 Human is for research use only and not for use in diagnostic or therapeutic procedures.

Target Information: (P31431)