
Product Data Sheet

Product Name: SDC1 Human
 Cat. No.: GP24506
 Batch No.: 1

Product Data

Purity	>98%	Source	E.coli.
Physical Appearance	solid	Shipping Condition	Shipped with Ice Packs.
Synonyms	Heparan Sulfate proteoglycan fibroblast growth factor receptor; syndecan proteoglycan 1; Syndecan 1; SYND1; CD138 antigen; SDC.		
Amino Acid Sequence	MGSSHHHHHH SSGLVPRGSH MGSHMQPALP QIVATNLPPE DQDGSDDSD NFSGSGAGAL QDITLSQQTP STWKDTQLLT AIPTSPEPTG LEATAASTST LPAGEGPKEG EAVVLPEVEP GLTAREQEAT PRPRETTQLP TTHQASTTTA TTAQEPATSH PHRDMQPGHH ETSTPAGPSQ ADLHTPHTED GGPSATERAA EDGASSQLPA AEGSGEQDFT FETSGENTAV VAVEPDRRNQ SPVDQGATGA SQGLLDRKEV LG.		
Formulation	The SDC1 solution (1mg/1ml) contains 20mM Tris-HCl buffer (pH 8.0), 100mM NaCl and 10% glycerol.		

Introduction

CD138 takes a part in cell adhesion. CD138 is expressed on the surface of pre-B cells and plasma cells but is absent from mature B cells. SDC1 is a selective marker for B cell lymphoblastic leukemia and lymphoplasmacytoid leukemia. SDC1 is missing from the apoptotic myeloma cells; therefore is a valuable marker for plasma cell and myeloma 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). Avoid multiple freeze-thaw cycles.

Background

SDC1 Human Recombinant produced in E. coli is a single polypeptide chain containing 262 amino acids (18-254) and having a molecular mass of 27kDa (molecular size on

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

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SDS-PAGE will appear higher).SDC1 is fused to a 25 amino acid His-tag at N-terminus & purified by proprietary chromatographic techniques.

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