

## SDC1 Human

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

Catalog #:PRPS-1072

For research use only.

**Synonyms:**Heparan Sulfate proteoglycan fibroblast growth factor receptor, syndecan proteoglycan 1, Syndecan 1, SYND1, CD138 antigen, SDC.

**Source:**E.coli.

**Physical Appearance:**Sterile Filtered colorless solution.

**Amino Acid Sequence:**MGSSHHHHHH SSGLVPRGSH MGSHMQPALP QIVATNLPPE  
DQDGSDDSD NFGSGAGAL QDITLSQQTP STWKDTQLLT AIPTSPEPTG LEATAASTST  
LPAGEGPKEG EAVLPEVEP GLTAREQEAT PRPRETTQLP TTHQASTTTA TTAQEPATSH  
PHRDMQPGHH ETSTPAGPSQ ADLHTPHTED GGPSATERAA EDGASSQLPA AEGSGEQDFT  
FETSGENTAV VA

**Purity:**Greater than 90% as determined by SDS-PAGE.

### Formulation:

The SDC1 solution (1mg/1ml) contains 20mM Tris-HCl buffer (pH 8.0), 100mM NaCl 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).Avoid multiple freeze-thaw cycles.

### Usage:

NeoBiolab's products are furnished for LABORATORY RESEARCH USE ONLY. The product may not be used as drugs, agricultural or pesticidal products, food additives or household chemicals.

### 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.

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