

SDC1, 18-254aa, Human, His tag, E.coli

Cat.NO.: TP03868

3th Edition

Synonyms:Syndecan-1 precursor, CD138, SDC, SYND1, syndecan.

Description:Syndecan-1 precursor, also known as SDC1, is a transmembrane heparin sulphate proteoglycan which is made up of one core protein and five glycosaminoglycan. SDC1 is expected to play a role in cell adhesion. It is expressed on the surface of pre-B cells and plasma cells but is absent from mature B cells. It is a selective marker for B cell lymphoblastic leukemia and lymphoplasmocytoid leukemia. Recombinant human SDC1 protein, fused to His-tag at N-terminus, was expressed in E.coli and purified by using conventional chromatography techniques.

Form:Liquid. In 20mM Tris-HCl buffer (pH 8.0) containing 0.1M NaCl, 10% glycerol

Molecular Weight:27 kDa (262aa), confirmed by MALDI-TOF

Sequences:

MGSSHHHHHSSGLVPRGSHMGSHMQPALPQIVATNLPPEDQDGGSDSDNFSGSGAGALQDITLSQQTPSTW
KDTQLLTAIPTSPEPTGLEATAASTSTLPAGEGPKKEGEAVVLPEVEPGLTAREQEATPRPRETTQLPTTHQASTTTA
TTAQEPATSHPHRDMQPGHHETSTPAGPSQADLHTPHTEDGGPSATERAAEDGASSQLPAAEGSGEQDFTFETS
GENTAVVAVEPDRRNQSPVDQGATGASQGLLDRKEVLG

Purity:> 95% by HPLC

Concentration:1 mg/ml (determined by BCA assay)

Endotoxin Level:<1.0 EU per 1 ug of protein (determined by LAL method)

Storage:Can be stored at +4°C short term (1-2 weeks). For long term storage, aliquot and store at -20°C or -70°C. Avoid repeated freezing and thawing cycles.