

Recombinant human Syndecan-1/SDC1 protein

Catalog Number: ATGP1467

PRODUCT INFORMATION

Expression system

E.coli

Domain

18-254aa

UniProt No.

P18827

NCBI Accession No.

NP_002988.2

Alternative Names

Syndecan-1 precursor, CD138, SDC, SYND1, Syndecan, Syndecan proteoglycan 1

PRODUCT SPECIFICATION

Molecular Weight

27 kDa (262aa) confirmed by MALDI-TOF (Molecular weight on SDS-PAGE will appear higher)

Concentration

1mg/ml (determined by BCA assay)

Formulation

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

Purity

> 90% by SDS-PAGE

Tag

His-Tag

Application

SDS-PAGE

Storage Condition

Can be stored at +2C to +8C for 1 week. For long term storage, aliquot and store at -20C to -80C. Avoid repeated freezing and thawing cycles.

BACKGROUND

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.

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Amino acid Sequence

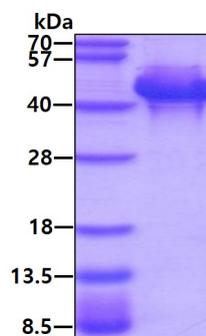
<MGSSHHHHHH SSGLVPRGSH MGSHM>QPALP QIVATNLPPE DQDGSDDSD NFGSGAGAL QDITLSQQTP
STWKDTQLLT AIPTSPEPTG LEATAASTST LPAGEGPKEG EAVVLPEVEP GLTAREQEAT PRPRETTQLP TTHQASTTTA
TTAQEPATSH PHRDMQPGHH ETSTPAGPSQ ADLHTPHTED GGPSATERAA EDGASSQLPA AEGSGEQDFT FETSGENTAV
VAVEPDRRNQ SPVDQGATGA SQGLLDRKEV LG

General References

O'Connell FP., et al. (2004) Am J Clin Pathol. 121(2):254-63-21531.
Rawstron AC., et al. (2006) Curr Protoc Cytom. 6: unit6.23.

DATA

SDS-PAGE



3ug by SDS-PAGE under reducing condition and visualized by coomassie blue stain.