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.

Recombinant human Syndecan-1/SDC1 protein

Catalog Number: ATGP1467

Amino acid Sequence

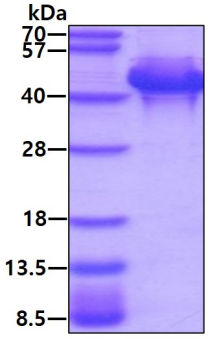
<MGSSHHHHHH SSGLVPRGSH MGSHM>QPALP QIVATNLPPE DQDGSGDDSD NFSGSGAGAL QDITLSQQTP STWKDTQLLT AIPTSPEPTG LEATAASTST LPAGEGPKEG EAVVLPEVEP GLTAREQEAT PRPRETTQLP TTHQASTTTA TTAQEPATSH PHRDMQPGHH ETSTPAGPSQ ADLHTPHTED GGPSATERAA EDGASSQLPA AEGSGEQDFT FETSGENTAV VAVEPDRRNQ SPVDQGATGA SQGLLDRKEV LG

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.