Recombinant human Syndecan-4/SDC4 protein

Catalog Number: ATGP0468

PRODUCT INFORMATION

Expression system
E.coli

Domain
19-145aa

UniProt No.
P31431

NCBI Accession No.
NP_002990

Alternative Names
Syndecan 4, Amphiglycan, Ryudocan, SYND4 , Syndecan proteoglycan 4, Ryudocan core protein

PRODUCT SPECIFICATION

Molecular Weight
13.9 kDa (128aa) confirmed by MALDI-TOF

Concentration
1mg/ml (determined by Bradford assay)

Formulation
Liquid in. 20mM Tris-HCl buffer (pH 8.0) containing 10% glycerol

Purity
> 85% by SDS-PAGE

Tag
Non-Tagged

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 4 belongs to syndecan proteoglycan family (type I integral membrane proteoglycans) that are involved in cell-extracellular matrix adhesion and growth factor binding. This protein functions cooperatively with integrins in the processes of cell spreading and focal adhesion assembly. It is also a transmembrane protein specifically enriched in Schwann cell perinodal processes. Recombinant Syndecan 4 protein was expressed in E. coli and purified by using conventional chromatography techniques.

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Amino acid Sequence

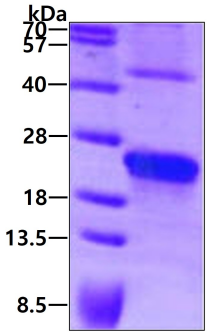
MESIRETEVI DPQDLLEGRY FSGALPDDED VVGPGQESDD FELSGSGDLD DLEDSMIGPE VVHPLVPLDN HIPERAGSGS QVPTEPKKLE ENEVIPKRIS PVEESEDVSN KVSMSSTVQG SNIFERTE

General References

Bass MD., et al. (2002) Biochem J.. 368 :1-15
Woods A., et al. (1994) Mol Biol Cell. 5(2):183-92.

DATA

SDS-PAGE



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