Recombinant human Syndecan-2/SDC2 protein

Catalog Number: ATGP3625

PRODUCT INFORMATION

Expression system
Baculovirus

Domain
19-144aa

UniProt No.
P34741

NCBI Accession No.
NP_002989

Alternative Names
Syndecan 2, SDC2, CD362, HSPG, HSPG1, SYND2, Syndecan proteoglycan 2, Fibroglycan, Heparan sulfate proteoglycan core protein

PRODUCT SPECIFICATION

Molecular Weight
15 kDa (135aa)

Concentration
0.25mg/ml (determined by absorbance at 280nm)

Formulation
Liquid in. Phosphate-Buffered Saline (pH 7.4) containing 10% glycerol

Purity
> 90% by SDS-PAGE

Endotoxin level
< 1 EU per 1ug of protein (determined by LAL method)

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
SDC2, also known as syndecan 2, is a conserved family of heparan- and chondroitin-sulfate carrying transmembrane protein. It is a cell membrane proteoglycans that can modulate the activity and dynamics of some growth factor receptors and integrins. It is expressed in hepatic stellate cells (HSCs), a key cell type

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involved in matrix deposition in liver fibrotic disorders. It has been implicated in the formation of specialized membrane domains and functions as a direct link between the extracellular environment and the organization of the cortical cytoplasm. Recombinant human SDC2, fused to His-tag at C-terminus, was expressed in insect cell and purified by using conventional chromatography techniques.

Amino acid Sequence

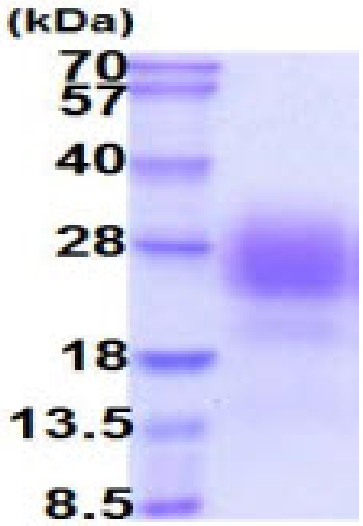
ADPESRAELT SDKDMYLDNS SIEEASGVYP IDDDDYASAS GSGADEDVES PELTTSRPLP KILLTSAAPK VETTTLNIQN KIPAQTKSPE ETDKEKVHLS DSERKMDPAE EDTNVYTEKH SDSLFKRTEH HHHHH

General References

Renga B., et al. (2014) PLoS One. 9:e94798.
Essner JJ., et al. (2006) Int J Biochem Cell Biol. 38:152-156.

DATA

SDS-PAGE



15% SDS-PAGE (3ug)

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