

Syndecan-1/CD138 Recombinant Protein | SDC1 recombinant protein

Syndecan-1/CD138 Protein, Mouse, Recombinant (His Tag)

CATALOG # AAA258191	HOST HEK293 Cells
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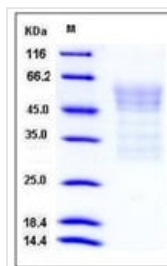
PRODUCT SYNONYMS

Syndecan-1/CD138; Syndecan-1/CD138 Protein; Mouse; Recombinant (His Tag); Mouse Syndecan-1/SDC1/CD138 Protein (His Tag); AA408134 Protein; AA409076 Protein; CD138 Protein; Sstn Protein; syn-1 Protein; Synd Protein; Synd1 Protein; syndecan 1; SDC1 recombinant protein

PRODUCT SPECIFICATIONS

Host	HEK293 Cells
Purity/Purification	>80% as determined by SDS-PAGE
Form/Format	Lyophilized from sterile PBS, pH 7.4, 5 % trehalose 5% mannitol and 0.01% Tween80.
Source	Mouse
Endotoxin	<1.0EU per ug of the protein as determined by the LAL method
Predicted N Terminal	Gln 17
Tag	His-Tag
Molecular Mass	The secreted recombinant mouse SDC1 comprises 246 amino acids and has a calculated molecular mass of 26 kDa. As a result of different glycosylation, the apparent molecular mass of rm SDC1 is approximately 45-60 kDa in SDS-PAGE under reducing conditions.
Preparation and Storage	Store it under sterile conditions at -20°C to -80°C upon receiving. Recommend to aliquot the protein into smaller quantities for optimal storage.

IMAGES



SDS-PAGE

ADDITIONAL INFORMATION

Related Product Information for SDC1 recombinant protein	Background: Syndecan-1 also known as SDC1 and CD138, is the most extensively studied member of the syndecan family. It is found mainly in epithelial cells, but its expression is developmentally regulated during embryonic development. Syndecan-1/SDC1/CD138 has been shown to mediate cell adhesion to several ECM molecules, and to act as a coreceptor for fibroblast growth factors, potent angiogenic growth factors involved also in differentiation. Syndecan-1/SDC1/CD138 expression is reduced during malignant transformation of various epithelia, and this loss correlates with the histological differentiation grade of squamous cell carcinomas, lacking from poorly differentiated tumours. In squamous cell carcinomas of the head and neck, positive syndecan-1 expression correlates with a more favourable prognosis. Experimental studies on the role of Syndecan-1 in malignant transformation have shown that Syndecan-1/SDC1/CD138 expression is associated with the maintenance of epithelial morphology, anchorage-dependent growth and inhibition of invasiveness in vitro.
References	Inki P, et al. (1996) The role of syndecan-1 in malignancies. Ann Med. 28(1): 63-7. Subramanian SV, et al. (1997) Regulated shedding of syndecan-1 and -4 ectodomains by thrombin and growth factor receptor activation. J Biol Chem. 272(23): 14713-20. Park PW, et al. (2001) Exploitation of syndecan-1 shedding by Pseudomonas aeruginosa enhances virulence. Nature. 411(6833): 98-102.

NCBI AND UNIPROT INFORMATION

NCBI GI #	6755438
NCBI GeneID	20969
NCBI Accession #	NP_035649.1
NCBI GenBank Nucleotide #	NM_011519.2
UniProt Accession #	P18828 ; Q62278 ; Q9WVD2
NCBI Official Full Name	syndecan-1
NCBI Official Synonym Full Names	syndecan 1
NCBI Official Symbol	Sdc1
NCBI Official Synonym Symbols	Sstrn; Synd; CD138; Synd1; syn-1; AA408134; AA409076
NCBI Protein Information	syndecan-1
UniProt Protein Name	Syndecan-1
UniProt Gene Name	Sdc1
UniProt Synonym Gene Names	Synd-1; Synd1; SYND1

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

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Online datasheet: <https://www.aaabiotech.com/sdc1-recombinant-protein-hek293/258191>