

RP01099

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Recombinant Human Syndecan-1/SDC1/CD138 Protein

Catalog No.: RP01099

Recombinant

Sequence Information

Species	Gene ID	Swiss Prot
Human	6382	P18827

Tags

C-His

Synonyms

CD138; SDC; SYND1;
syndecan;SDC1;SDC;SYND1;syndecan

Background

This protein is a transmembrane (type I) heparan sulfate proteoglycan and is a member of the syndecan proteoglycan family. The syndecans mediate cell binding, cell signaling, and cytoskeletal organization and syndecan receptors are required for internalization of the HIV-1 tat protein. The syndecan-1 protein functions as an integral membrane protein and participates in cell proliferation, cell migration and cell-matrix interactions via its receptor for extracellular matrix proteins. Altered syndecan-1 expression has been detected in several different tumor types. While several transcript variants may exist for this gene, the full-length nature of only two have been described to date. These two represent the major variants of this gene and encode the same protein.

Product Information

Source	Purification
HEK293 cells	> 95% by SDS-PAGE.

Endotoxin

< 1.0 EU/μg of the protein by LAL method.

Formulation

Lyophilized from a 0.22 μm filtered solution of PBS, pH7.4. Contact us for customized product form or formulation.

Reconstitution

Reconstitute to a concentration of 0.1-0.5 mg/mL in sterile distilled water.

Basic Information

Description

Recombinant Human Syndecan-1/SDC1/CD138 Protein is produced by Mammalian expression system. The target protein is expressed with sequence (Gln23-Glu251) of human SDC1 (Accession #P18827) fused with a 6×His tag at the C-terminus.

Bio-Activity

Storage

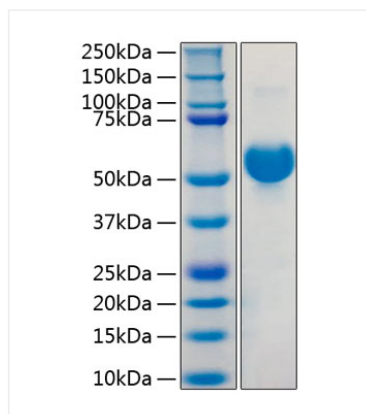
Store the lyophilized protein at -20°C to -80 °C for long term. After reconstitution, the protein solution is stable at -20 °C for 3 months, at 2-8 °C for up to 1 week. Avoid repeated freeze/thaw cycles.

Contact



www.abclonal.com

Validation Data



Recombinant Human
Syndecan-1/SDC1/CD138 Protein was
determined by SDS-PAGE with Coomassie
Blue, showing a band at 45-60 kDa.