

Recombinant Human SDC1 (C-6His)

Catalog # EPT224

Expression Host Human Cells

DESCRIPTION Recombinant Human Syndecan-1 is produced by our

Mammalian expression system and the target gene

encoding Gln18-Glu251 is expressed with a 6His tag at

the C-terminus.

Accession AAH08765.1

Synonyms Syndecan-1; SYND1; CD138; SDC1; SDC

Mol Mass 25.2 KDa

AP Mol Mass 45-60 KDa, reducing conditions

Purity Greater than 95% as determined by reducing

SDS-PAGE.

Endotoxin Less than 0.1 ng/μg (1 EU/μg) as determined by LAL

test.

FORMULATION Lyophilized from a 0.2 µm filtered solution of PBS, pH

7.4.

RECONSTITUTION Always centrifuge tubes before opening.Do not mix by

vortex or pipetting.



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It is not recommended to reconstitute to a concentration less than 100µg/ml.

Dissolve the lyophilized protein in distilled water.

Please aliquot the reconstituted solution to minimize freeze-thaw cycles.

SHIPPING

The product is shipped at ambient temperature.

Upon receipt, store it immediately at the temperature listed below.

STORAGE

Lyophilized protein should be stored at < -20 ° C, though stable at room temperature for 3 weeks.

Reconstituted protein solution can be stored at 4-7°C for 2-7 days.

Aliquots of reconstituted samples are stable at < -20° C for 3 months.

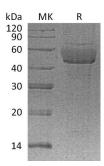
BACKGROUND

Syndecan-1 is a single-pass type I membrane protein that belongs to 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. Human SDC1 is synthesized as a 310 amino acid precursor that contains a 22 amino acid signal sequence, and a 288 amino acid mature chain. The





Syndecan-1 protein functions integral as participates membrane protein and cell proliferation, migration cell-matrix cell and interactions via its receptor for extracellular matrix proteins. Altered Syndecan-1 expression has been detected in several different tumor types.



SDS-PAGE



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