

Recombinant Human SDC1 Protein, His-tagged

Cat. No. SDC1-452H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant human SDC1 protein with His tag was expressed in HEK293.
Species	Human
Source	HEK293
ProteinLength	310
Description	The protein encoded by this gene 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.
Form	Lyophilized
Molecular Mass	24.7 kDa
AA Sequence	MRRAALWLWLCALALSLQPALPQIVATNLPPEDQDGSGDDSDNFSGSGAGALQDIT LSQQTPTWKDTQLLTAIPTSPEPTGLEATAASTSTLPAGEGPKGEAVVLPEVEPG

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LTAREQEATPRPRETTQLPTTHLASTTTATTAQEPAATSHPHRDMQPGHHETSTPAG
 PSQADLHTPHTEDGGPSATERAAEDGASSQLPAAEGSGEQDFTFETSGENTAVVA
 VEPDRRNQSPVDQGATGASQGLLDRKEVLGGVIAGGLVGLIFAVCLVGFMFLYRMKK
 KDEGSYSLEEPKQANGGAYQKPTKQEEFYA

Purity > 98%

Applications WB; ELISA; FACS; FC

Stability This bioreagent is stable at 4 centigrade (short-term) and -70 centigrade(long-term). After reconstitution, sample may be stored at 4 centigrade for 2-7 days and below -18 centigrade for future use.

Storage At -20 centigrade.

Concentration 1 mg/mL

Storage Buffer PBS (pH 7.4-7.5). Sterile-filtered colorless solution.

Reconstitution Reconstitute in sterile distilled H₂O to no less than 100 µg/mL; dilute reconstituted stock further in other aqueous solutions if needed. Please review COA for lot-specific instructions. Final measurements should be determined by the end-user for optimal performance.

GENE INFORMATION

Gene Name SDC1 syndecan 1 [Homo sapiens (human)]

Official Symbol SDC1

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

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proteoglycan 1; CD138 antigen; heparan sulfate proteoglycan fibroblast growth factor receptor;

Gene ID

6382

mRNA Refseq

NM_001006946

Protein Refseq

NP_001006947

MIM

186355

UniProt ID

P18827

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