

Recombinant Human SDC1

Cat. No. SDC1-31494TH **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant fragment, corresponding to amino acids 18-218 of Human Syndecan with proprietary tag, 48kDa.
Species	Human
Source	E.coli
ProteinLength	18-218 a.a.
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	Liquid
Storage buffer	Preservative: None Constituents: 20% Glycerol, 50mM Tris acetate, 1mM EDTA, pH 7.5 BSA and Azide free

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Storage	Shipped at 4°C. Upon delivery aliquot and store at -20°C or -80°C. Avoid repeated freeze / thaw cycles.
Sequence Similarities	Belongs to the syndecan proteoglycan family.
GENE INFORMATION	
Gene Name	SDC1 syndecan 1 [Homo sapiens]
Official Symbol	SDC1
Synonyms	SDC1; syndecan 1; SDC; syndecan-1; CD138; SYND1; syndecan; syndecan proteoglycan 1;
Gene ID	6382
mRNA Refseq	NM_001006946
Protein Refseq	NP_001006947
MIM	186355
Uniprot ID	P18827
Chromosome Location	2p24.1
Pathway	Arf6 trafficking events, organism-specific biosystem; Cell adhesion molecules (CAMs), organism-specific biosystem; Cell adhesion molecules (CAMs), conserved biosystem; Chylomicron-mediated lipid transport, organism-specific biosystem; ECM-receptor interaction, organism-specific biosystem;

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Function

cytoskeletal protein binding; glycoprotein binding; lipoprotein lipase activity; protein C-terminus binding; protein binding;

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