

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	<p>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.</p>
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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