

Recombinant Human SDC1 Protein, His-tagged

Cat. No. SDC1-188H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Human SDC1, transcript variant 2, fused with His tag at C-terminal was expressed in HEK293.
Species	Human
Source	HEK293
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 from a 0.2 M filtered solution of 20mM PB, 150mM NaCl, pH7.4
Molecular Mass	20.39kD
AA Sequence	QIVATNLPPEDQDGSGDDSDNFSGSGAGALQDITLSQQTPSTWKDTQLLTAIPTSPE PTGLEATAASTSTLPAGEGPKGEAVVLPEVEPGLTAREQEATPRPRETTQLPTTHQ ASTTTATTAQEPATSHPHRDMQPGHHETSTPAGPSQADLHTPHTEDGGPSATERA

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	AEDGASSQLPAAEGSGEQDFTFETSGENTAVVAVEPDRRNQSPVDQGATGASQGL LDRKEVDHHHHHH
Endotoxin	Endotoxin level is <0.1 ng/g of protein (<1EU/g).
Purity	>95% as determined by SDS-PAGE and Coomassie blue staining
Concentration	Always centrifuge tubes before opening. Do not mix by vortex or pipetting. It is not recommended to reconstitute to a concentration less than 100 g/ml. Dissolve the lyophilized protein in 1X PBS. Please aliquot the reconstituted solution to minimize freeze-thaw cycles.
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; CD138 antigen; heparan sulfate proteoglycan fibroblast growth factor receptor;
Gene ID	6382
mRNA Refseq	NM_002997
Protein Refseq	NP_002988
MIM	186355
UniProt ID	P18827

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