

Active Recombinant Human SDC1 Protein, His-tagged

Cat. No. SDC1-523H Lot. No. (See product label)

SPECIFICATION

Product Overview	Recombinant Human SDC1 (Accession # NP_002988) Gln18-Glu251, fused with a C-terminal 6-His tag, was produced in Mouse myeloma cell line, NS0-derived.
Species	Human
Source	Mammalian Cells
ProteinLength	Gln18-Glu251
Predicted N Terminal	No results obtained: Gln18 predicted
Form	Lyophilized from a 0.2 µ filtered solution in PBS.
Bio-activity	Measured by the ability of the immobilized protein to enhance the adhesion of Saos-2 human osteosarcoma cells to human Fibronectin. When 5 x 10 ⁴ cells/well are added to human Syndecan-1 and human Fibronectin (0.5 µg/mL) coated plates, cell adhesion is enhanced in a dose dependent manner. The ED50 for this effect is typically 2.5 - 10 µg/mL.
Molecular Mass	Recombinant Human SDC1, His-tagged has a calculated MW of 24.9 kDa. In SDS-PAGE migrates as 65-90 kDa, reducing conditions.
Purity	>95%, by SDS-PAGE under reducing conditions and visualized by silver stain.
Storage	Avoid repeated freeze-thaw cycles. No activity loss was observed after storage at: In

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lyophilized state for 1 year (4°C); After reconstitution under sterile conditions for 3 months (-70°C).

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_001006946
Protein Refseq	NP_001006947
MIM	186355
UniProt ID	P18827
Chromosome Location	2p24.1

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