

Active GMP Recombinant Human SDC1 protein, Fc-tagged

Cat. No. SDC1-187HG **Lot. No.** (See product label)

SPECIFICATION

Product Overview	GMP Recombinant Human SDC1 protein(NP_001006947)(463 aa), fused with Fc Tag at the C-terminal, was expressed in HEK293 cell in an animal component free process under cGMP guidelines.
Species	Human
Source	HEK293
ProteinLength	DNA sequence encoding Human CD138(UniProtKB/Swiss-Prot: P18827.3) was expressed with Fc tag at the C-terminal.
Form	Freeze-dried powder contains Sterile PBS (pH 7.4) with 6% mannitol.
Bio-activity	Use immobilized protein to enhance the ability of Saos2 (human osteosarcoma cells) to adhere to human fibronectin. Add 5×10 ⁴ cells/well to human Syndocan-1 and human fibronectin (0.5ug/ml) coated plates , Cell adhesion was enhanced in a dose-dependent manner. The ED 50 for this effect is 5-10ug/ml.
Molecular Mass	Recombinant Human SDC1 protein contains 463 aa. It has a predicted MW of 50.8 kDa.
Endotoxin	<0.1EU/ug
Purity	>=95% by SDS-PAGE and HPLC

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Storage

The lyophilized preparation can be stored at 4°C for 24 months, and the dissolved liquid can be stored at -20°C for 6-12 months to avoid repeated freezing and thawing

Reconstitution

It is recommended that sterile water be added to the vial to prepare a stock solution of 0.2 ug/ul. Centrifuge the vial at 4°C before opening to recover the entire contents.

GENE INFORMATION

Gene Name SDC1 syndecan 1 [Homo sapiens]

Official Symbol SDC1

Synonyms SDC1; Syndecan-1; SYND1; SDC

Gene ID 6382

mRNA Refseq NM_001006946

Protein Refseq NP_001006947

MIM 186355

UniProt ID P18827

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