

## 32-7793: Recombinant Human Syndecan-1/SDC1/CD138 (C-6His)

**Gene :** SDC1  
**Gene ID :** 6382  
**Uniprot ID :** P18827

### Description

Source: Human Cells.  
MW :24.65kD.

Recombinant Human Syndecan-1 is produced by our Mammalian expression system and the target gene encoding Gln23-Glu251 is expressed with a 6His tag at the C-terminus. Syndecan-1 is a single-pass type I membrane protein that belongs to 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. Human SDC1 is synthesized as a 310 amino acid precursor that contains a 22 amino acid signal sequence, and a 288 amino acid mature chain. 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.

### Product Info

**Amount :** 10 µg / 50 µg  
**Content :** Lyophilized from a 0.2 µm filtered solution of PBS,pH7.4.  
**Storage condition :** Lyophilized protein should be stored at -20°C, though stable at room temperature for 3 weeks. Reconstituted protein solution can be stored at 4-7°C for 2-7 days. Aliquots of reconstituted samples are stable at -20°C for 3 months.  
**Amino Acid :** QIVATNLPPEDQDGSDDSNFSGSAGALQDITLSQQTPTWKDTQLLTAIPTSPEPTGLEATAASTSTLPAG  
EGPKEGEAVVLPEVEPGLTAREQEATPRPRETTQLPTTHQASTTTATTAQEPATSHPHRDMQPGHHETSTPAG  
PSQADLHTPHTEDGGPSATERAAEDGASSQLPAAEGSGEQDFTFETSGENTAVVAVEPDRRNQSPVDQATG  
ASQGLLDRKEVDHHHHHH

### Application Note

Always centrifuge tubes before opening. Do not mix by vortex or pipetting. It is not recommended to reconstitute to a concentration less than 100 µg/ml. Dissolve the lyophilized protein in ddH<sub>2</sub>O. Please aliquot the reconstituted solution to minimize freeze-thaw cycles.

**Endotoxin :** Less than 0.1 ng/µg (1 IEU/µg) as determined by LAL test.