

Product datasheet for **TP726999**

Human Recombinant Protein

Product data:

Product Type:	Recombinant Proteins
Description:	Recombinant Human Syndecan-1/SDC1/CD138 (C-6His)
Species:	Human
Expression cDNA Clone or AA Sequence:	Gln23-Glu251
Tag:	C-His
Buffer:	Lyophilized from a 0.2 um filtered solution of PBS, pH 7.4.
Note:	Recombinant Human Syndecan-1 is produced by our Mammalian expression system and the target gene encoding Gln18-Glu251 is expressed with a 6His tag at the C-terminus.
Storage:	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.
Stability:	12 months from date of despatch
Synonyms:	Syndecan-1; SYND1; CD138; SDC1; SDC
Summary:	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.



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