



Recombinant Rat Syndecan-1 (Sdc1)

Product Code	CSB-EP020888RA-B
Storage	The shelf life is related to many factors, storage state, buffer ingredients, storage temperature and the stability of the protein itself. Generally, the shelf life of liquid form is 6 months at -20°C/-80°C. The shelf life of lyophilized form is 12 months at -20°C/-80°C.
Uniprot No.	P26260
Product Type	Recombinant Protein
Immunogen Species	Rattus norvegicus (Rat)
Purity	>85% (SDS-PAGE)
Sequence	QIVTANVPPEDQDGGSDSDNFSGSGTGALPDMTLRQTPSTWKDVWLLTAT PTAPEPTSRDTEATLTSILPAGEKPEEGEPVAHVVEAEPDFTARDKEKEATTRPR ETTQLPVTTQASTAARATTAQASVTSHPHGDVQPGLHETLAPTAPGQPDHQP PSVEDGGTSVIKEVVEDETTNQLPAGEGSGEQDFTFETSGENTAVAGVEPDL RNQSPVDEGATGASQGLLDRKEVLG
Research Area	Others
Source	E.coli
Target Names	Sdc1
Protein Names	Recommended name: Syndecan-1 Short name= SYND1 Alternative name(s): CD_antigen= CD138
Expression Region	23-257aa
Notes	Repeated freezing and thawing is not recommended. Store working aliquots at 4°C for up to one week.
Tag Info	Tag type will be determined during the manufacturing process.
Protein Length	Extracellular domain
Target Details	This protein 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.
Reconstitution	We recommend that this vial be briefly centrifuged prior to opening to bring the contents to the bottom. Please reconstitute protein in deionized sterile water to a concentration of 0.1-1.0 mg/mL. We recommend to add 5-50% of glycerol (final concentration) and aliquot for long-term storage at -20°C/-80°C. Our default final concentration of glycerol is 50%. Customers could use it as reference.



Shelf Life

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