



# Recombinant Rat Syndecan-1 (Sdc1)

<b>Product Code</b>	CSB-BP020888RA
<b>Storage</b>	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.
<b>Uniprot No.</b>	P26260
<b>Product Type</b>	Recombinant Protein
<b>Immunogen Species</b>	Rattus norvegicus (Rat)
<b>Purity</b>	>85% (SDS-PAGE)
<b>Sequence</b>	QIVTANVPPEDQDGGSDSDNFSGSGTGALPDMTLRQTPSTWKDVWLLTAT PTAPEPTSRDTEATLTSILPAGEKPEEGEPVAHVVEAEPDFTARDKEKEATTRPR ETTQLPVTTQASTAARATTAQASVTSHPHGDVQPGLHETLAPTAPGQPDHQP PSVEDGGTSVIKEVVEDETTNQLPAGEGSGEQDFTFETSGENTAVAGVEPDL RNQSPVDEGATGASQGLLDRKEVLG
<b>Research Area</b>	Others
<b>Source</b>	Baculovirus
<b>Target Names</b>	Sdc1
<b>Protein Names</b>	Recommended name: Syndecan-1 Short name= SYND1 Alternative name(s): CD_antigen= CD138
<b>Expression Region</b>	23-257aa
<b>Notes</b>	Repeated freezing and thawing is not recommended. Store working aliquots at 4°C for up to one week.
<b>Tag Info</b>	Tag type will be determined during the manufacturing process.
<b>Protein Length</b>	Extracellular domain
<b>Target Details</b>	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.
<b>Reconstitution</b>	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.



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