

Syndecan-1/CD138 Protein, Cynomolgus (HEK293, Fc)

Cat. No.:	HY-P77219
Synonyms:	Syndecan-1; SYND1; CD138; SDC1; SDC
Species:	Cynomolgus
Source:	HEK293
Accession:	XP_005576533 (Q23-E251)
Gene ID:	102126789
Molecular Weight:	Approximately 50.37 kDa.

PROPERTIES

Appearance	Lyophilized powder.
Formulation	Lyophilized from a 0.2 μ m filtered solution of PBS, pH 7.4. Normally 5 % - 8 % trehalose, mannitol and 0.01% Tween 80 are added as protectants before lyophilization.
Endotoxin Level	<1 EU/ μ g, determined by LAL method.
Reconstitution	It is not recommended to reconstitute to a concentration less than 100 μ g/mL in ddH ₂ O.
Storage & Stability	Stored at -20°C for 2 years. After reconstitution, it is stable at 4°C for 1 week or -20°C for longer (with carrier protein). It is recommended to freeze aliquots at -20°C or -80°C for extended storage.
Shipping	Room temperature in continental US; may vary elsewhere.

DESCRIPTION

Background	Syndecan-1/CD138 Protein is a cell surface proteoglycan characterized by the presence of both heparan sulfate and chondroitin sulfate, establishing a link between the cytoskeleton and the interstitial matrix. It plays a role in regulating exosome biogenesis in collaboration with SDCBP and PDCD6IP. Moreover, Syndecan-1/CD138 has the capacity to induce its own expression in dental mesenchymal cells and neighboring dental epithelial cells through an MSX1-mediated pathway. It interacts with CDCP1 and associates with TIAM1 via its C-terminus and the PDZ domain of TIAM1. Additionally, Syndecan-1/CD138 engages in an interaction with Midkine (MDK) ^{[1][2][3]} .
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Caution: Product has not been fully validated for medical applications. For research use only.

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