

Syndecan-1/CD138 Protein, Rabbit (HEK293, His)

Cat. No.:	HY-P701041
Synonyms:	Syndecan 1; SYND1; CD138; SDC; SDC1
Species:	Rabbit
Source:	HEK293
Accession:	XP_008252990.1 (L23-G254)
Gene ID:	/
Molecular Weight:	45-60 kDa

PROPERTIES

Appearance	Solution.
Formulation	Supplied as a 0.22µm filtered solution of PBS, pH 7.4.
Endotoxin Level	<1 EU/µg, determined by LAL method.
Reconstitution	N/A.
Storage & Stability	Stored at -80°C for 1 year. It is stable at -20°C for 3 months after opening. It is recommended to freeze aliquots at -80°C for extended storage. Avoid repeated freeze-thaw cycles.
Shipping	Shipping with dry ice.

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).
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Caution: Product has not been fully validated for medical applications. For research use only.

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