

SDC4 Protein, Mouse (HEK293, His)

Cat. No.:	HY-P71026
Synonyms:	SDC4; Syndecan-4; SYND4; Ryudocan core protein
Species:	Mouse
Source:	HEK293
Accession:	O35988 (E24-E145)
Gene ID:	20971
Molecular Weight:	Approximately 22.21 kDa

PROPERTIES

AA Sequence	<p> E S I R E T E V I D P Q D L L E G R Y F S G A L P D D E D A G G S D D F E L S G S G D L D D T E E P R P F P E V I E P L V P L D N H I P E N A Q P G I R V P S E P K E L E E N E V I P K R A P S D V G D D M S N K V S M S S T A Q G S N I F E R T E </p>
Appearance	Lyophilized powder.
Formulation	Lyophilized from a 0.2 µm filtered solution of 20 mM PB, 150 mM NaCl, pH 7.4.
Endotoxin Level	<1 EU/µg, determined by LAL method.
Reconstitution	It is not recommended to reconstitute to a concentration less than 100 µg/mL in ddH ₂ O. For long term storage it is recommended to add a carrier protein (0.1% BSA, 5% HSA, 10% FBS or 5% Trehalose).
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	<p>Syndecan-4 (SDC4) is a cell surface proteoglycan that plays a crucial role in regulating exosome biogenesis in collaboration with SDCBP and PDCD6IP. As a homodimer, SDC4 engages in various protein interactions, including binding with CDCP1 and SDCBP, suggesting its involvement in diverse cellular processes. Through its cytoplasmic domain, SDC4 forms interactions with GIPC, specifically through the PDZ domain, and with NUDT16L1. These associations highlight the multifunctional nature of SDC4, suggesting its participation in intricate cellular signaling pathways and the regulation of exosome dynamics.</p>
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Caution: Product has not been fully validated for medical applications. For research use only.

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