

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

Cat. No.:	HY-P76101
Synonyms:	Syndecan-1; SYND1; CD138; SDC1; SDC
Species:	Mouse
Source:	HEK293
Accession:	NP_035649.1 (Q18-E252)
Gene ID:	20969
Molecular Weight:	45-60 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	<p>Syndecan-1, encoded by the SDC1 gene, is predicted to play a role in myoblast development, demonstrating its involvement in fundamental cellular processes. It is anticipated to interact with identical proteins and bind to the C-terminus of other proteins, suggesting its engagement in protein-protein interactions critical for cellular functions. As a cell surface protein, Syndecan-1 is located on the external side of the plasma membrane, emphasizing its potential role in cell communication and signaling. The broad expression profile across various tissues, including the alimentary system, egg cylinder, sensory organ, skin, and urinary system, underscores its significance in diverse physiological contexts. The evolutionary conservation of Syndecan-1, as evidenced by its orthologous relationship with human SDC1, emphasizes its fundamental and conserved role across species.</p>
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Caution: Product has not been fully validated for medical applications. For research use only.

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