

## Syndecan-2 Protein, Mouse (HEK293, His)

Cat. No.:	HY-P73625
Synonyms:	SYND2; Fibroglycan; HSPG; CD362; SDC2; HSPG1
Species:	Mouse
Source:	HEK293
Accession:	NP_032330.1 (E19-F141)
Gene ID:	15529
Molecular Weight:	Approximately 14.8 kDa

### PROPERTIES

Appearance	Lyophilized powder.
Formulation	Lyophilized from a 0.2 $\mu$ 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/ $\mu$ g, determined by LAL method.
Reconstitution	It is not recommended to reconstitute to a concentration less than 100 $\mu$ g/mL in ddH <sub>2</sub> 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	The Syndecan-2 protein is predicted to possess PDZ domain binding activity and identical protein binding activity. It plays a role in the regulation of dendrite morphogenesis and is predicted to be located in the neuronal cell body and synapse, with activity on the cell surface. The gene is expressed ubiquitously in various structures, including the cranium, embryo mesenchyme, genitourinary system, jaw, and retina. Syndecan-2, the human ortholog of this gene, has been implicated in cleft lip and cleft palate, highlighting its potential significance in developmental processes. In the reference dataset, it demonstrates widespread expression, including in the adult bladder, embryonic limb at E14.5, and various other tissues.
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**Caution: Product has not been fully validated for medical applications. For research use only.**

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