

SPARCL1 Protein, Mouse (283a.a, HEK293, His)

Cat. No.:	HY-P76652
Synonyms:	SPARC-like protein 1; Extracellular matrix protein 2; Matrix glycoprotein Sc1; ECM2, SC1
Species:	Mouse
Source:	HEK293
Accession:	NP_034227.3 (Y368-F650)
Gene ID:	13602
Molecular Weight:	Approximately 34.8 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	SPARCL1 protein is predicted to possess crucial functions, including calcium ion binding activity, collagen binding activity, and extracellular matrix binding activity. Playing a role in synaptic membrane adhesion, it is prominently located in glutamatergic synapses. The expression profile of SPARCL1 spans across diverse structures, encompassing the cardiovascular system, central nervous system, male reproductive gland or organ, respiratory system, and sensory organ. This protein's biased expression, particularly elevated in the adult bladder and cortex, highlights its significance in these tissues, suggesting its involvement in various physiological processes. The conservation of SPARCL1 across species, as seen in its orthologous counterpart SPARC like 1 in humans, underscores its evolutionary importance and potential functional conservation.
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Caution: Product has not been fully validated for medical applications. For research use only.

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