

Recombinant Human SPOCK1 protein, His-tagged

Cat. No. SPOCK1-546H Lot. No. (See product label)

SPECIFICATION

Product Overview	Recombinant Human SPOCK1 protein (Arg22-Trp439), fused to His tag at N-terminus, was expressed in human 293 cells (HEK293).
Species	Human
Source	HEK293
ProteinLength	418
Description	<p>Testican-1 is also known as protein SPOCKSPOCK1, which contains one azal-like domain and one thyroglobulin type-1 domain. SPOCK1 is an extracellular heparan/chondroitin sulfate proteoglycan. Members of this family are known as testicans, also called SPOCKs. SPOCKs are enriched in brain and have been shown to regulate neuronal attachment and outgrowth. They contain inhibitory regions in several domains targeted to different classes of protease, and in some cases may act as protease inhibitors. Little is known about SPOCK1's function until now. It may play a role in cell-cell and cell-matrix interactions except for contributing to various neuronal mechanisms in the central nervous system.</p>
Form	Lyophilized from 0.22 um filtered solution in PBS, pH7.4, 10% trehalose.
Molecular Mass	The protein has a calculated MW of 47.8 kDa. The protein migrates as 50-60 kDa under reducing (R) condition (SDS-PAGE) due to glycosylation.
Endotoxin	Less than 1.0 EU per ug by the LAL method.

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Purity	>85% as determined by reduced SDS-PAGE.
Storage	<p>For long term storage, the product should be stored at lyophilized state at -20 centigrade or lower.</p> <p>Please avoid repeated freeze-thaw cycles.</p> <p>This product is stable after storage at:</p> <p>-20 centigrade to -70 centigrade for 12 months in lyophilized state; -70 centigrade for 3 months under sterile conditions after reconstitution.</p>
Reconstitution	It is recommended that sterile water be added to the vial to prepare a stock solution of 0.2 ug/ul. Centrifuge the vial at 4°C before opening to recover the entire contents.

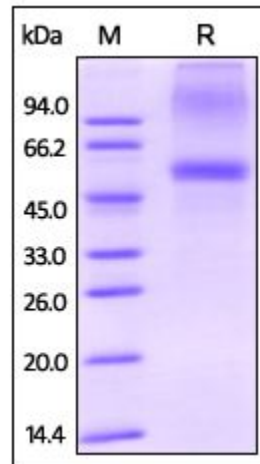
GENE INFORMATION

Gene Name	SPOCK1
Official Symbol	SPOCK1
Synonyms	SPOCK1; sparc/osteonectin, cwcv and kazal-like domains proteoglycan (testican) 1; sparc/osteonectin, cwcv and kazal like domains proteoglycan (testican) , SPOCK, TIC1; testican-1; testican 1; TIC1; SPOCK; TESTICAN; FLJ37170
Gene ID	6695
mRNA Refseq	NM_004598
Protein Refseq	NP_004589
MIM	602264
UniProt ID	Q08629

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**SDS-PAGE of
SPOCK1-546H**

Human Testican 1, His Tag on SDS-PAGE under reducing (R) condition. The gel was stained overnight with Coomassie Blue. The purity of the protein is greater than 85%.

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