

Recombinant Human SPOCK1 Protein

Cat. No. SPOCK1-836H Lot. No. (See product label)

SPECIFICATION

Product Overview	Recombinant human SPOCK1 protein without tag was expressed in HEK293.
Species	Human
Source	HEK293
ProteinLength	439
Description	This gene encodes the protein core of a seminal plasma proteoglycan containing chondroitin- and heparan-sulfate chains. The protein's function is unknown, although similarity to thyropin-type cysteine protease-inhibitors suggests its function may be related to protease inhibition.
Form	Lyophilized
Molecular Mass	47.8 kDa
AA Sequence	<p>MPAIAVLAAAAAWCFLQVESRHLDALAGGAGPNHGNFLDNDQWLSTVSQYDRDK YWNRFRDDDYFRNWNPNKPFQALDPSKDPCCLKVKCSPHKVCVTQDYQTALCVS RKHLLPRQKKGNAQKHWVGPNSLVKCKPCPVAQSAMVCGSDGHSYTSKCKLEF HACSTGKSLATLCDGPCPLPEPEPPKHKAERSACTDKELRNLASRLKDWFGALHE DANRVIKPTSSNTAQGRFDTSILPICKDSLGMFNKLDMNYDLLLDPSEINAIYLDKY EPCIKPLFNSCDSFKDGLSNNEWCYCFQKPGGLPCQNEMNRIQKLSKGSLLGAFI PRCNEEGYYKATQCHGSTGQCWCVDKYGNELAGSRKQGAVSCEEEQETSGDFGS GGSVLLDDLEYERELGPKDKEGKLRVHTRAVTEDEDEDEDDKEDVGYIW</p>

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Purity	> 98%
Applications	Calcium Flux Assay; Migration Assay; WB; ELISA;
Stability	This bioreagent is stable at 4 centigrade (short-term) and -70 centigrade(long-term). After reconstitution, sample may be stored at 4 centigrade for 2-7 days and below -18 centigrade for future use.
Storage	At -20 centigrade.
Concentration	1 mg/mL
Storage Buffer	PBS (pH 7.4-7.5). Sterile-filtered colorless solution.
Reconstitution	Reconstitute in sterile distilled H2O to no less than 100 µg/mL; dilute reconstituted stock further in other aqueous solutions if needed. Please review COA for lot-specific instructions. Final measurements should be determined by the end-user for optimal performance.

GENE INFORMATION

Gene Name	SPOCK1 sparc/osteonectin, cwcv and kazal-like domains proteoglycan (testican) 1 [Homo sapiens (human)]
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

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mRNA Refseq	NM_004598
Protein Refseq	NP_004589
MIM	602264
UniProt ID	Q08629

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