

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	MPAIAVLAAAAAAWCFLQVESRHLDALAGGAGPNHGNFLDNDQWLSTVSQYDRDK YWNRFDDDDYFRNWNPNKPFQALDPSKDPCLKVKCSPHKVCVTQDYQTALCVS RKHLLPRQKKGNAQKHWVGPSNLVKCKPCPVAQSAMVCGSDGHSYTSKCKLEF HACSTGKSLATLCDGPCPLPEPEPPKHKAERSACTDKELRNLASRLKDWFGALHE DANRVIKPTSSNTAQGRFDTSILPICKDSLGMFMNKLDMNYDLLDPSEINAIYLDKY EPCIKPLFNSCDSFKDGKLSNNEWCYCFQKPGGLPCQNEMNRIQKLSKGKSLLGAFI PRCNEEGYYKATQCHGSTGQCWCVDKYGNELAGSRKQGAVSCEEEQETSGDFGS GGSVLLDDLEYERELGPKDKEGKLRVHTRAVTEDEDEDEDDKEDEVGYIW

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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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