

Product datasheet for **RC205296**

SPOCK1 (NM_004598) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	SPOCK1 (NM_004598) Human Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	SPOCK1
Synonyms:	SPOCK; TESTICAN; TIC1
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



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ORF Nucleotide Sequence:

>RC205296 ORF sequence
 Red=Cloning site Blue=ORF Green=Tags(s)

CTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCCGCCGCGATCGCCGGCGC
 GCC

ATGCCGGCGATCGCGGTGTTGGCGGCGGCCCGCGCGCTGGTGTTCTCCAAGTCGAGAGCCGGCACC
 TGGACGCGCTCGCCGAGGCGCGGGCCCAACCACGGCAATTTCTAGACAATGACCAGTGGCTGAGCAC
 CGTCTCCACGTACGACCGGACAAAGTACTGGAACCGCTTTTCGAGACGATGATTATTTAGAACTGGAAT
 CCCAACAGCCCTTTGACAAAGCCCTGGACCCATCCAAGGACCCCTGCCTGAAGGTAAAATGCAGCCCTC
 ACAAAAGTGTGTGACCCAGGACTACCAGACCGCCTGTGTGTCAGCCGCAAGCACCTGCTCCCAAGGCA
 AAAGAAGGGGAACGTGGCCAGAAACACTGGGTTGGACCTTGAATTTGGTCAAGTGAAGCCCTGTCCC
 GTGGCACAGTCAGCCATGGTCTGCGGCTCAGATGGCCACTCTACACATCCAAGTCAAATTTGGAGTTCC
 ATGCTTGTCTACTGGCAAAGCCCTCGCCACCCTCTGTGATGGGCCCTGTCCCTGTCTCCAGAGCCTGA
 GCCACCAAGCACAAGGCAGAAAGGAGTGCCTGCACAGACAAGGAGTTGCGGAACCTTGCTCCCGGCTG
 AAGGATTGGTTTGGAGCTCTCCACGAGGATGCGAACAGAGTCATCAAGCCACCAGCTCCAACACAGCCC
 AAGGCAGGTTTGACACTAGCATCCTGCCATCTGCAAGGACTCCCTGGGCTGGATGTTCAACAAGTTGGA
 CATGAACTATGACCTCCTGCTTGACCCTTCAGAGATCAATGCCATCTACCTGGATAAGTACGAGCCCTGT
 ATCAAGCCTCTTTTCAACTCGTGTGACTCCTTCAAGGATGGCAAGCTTTCTAACAATGAGTGGTGTACT
 GCTTCCAGAAGCCTGGAGGTCTCCCTTGCAGAAATGAAATGAACAGAATTCAGAAGCTGAGTAAGGGGAA
 AAGCCTGTTGGGGCCTTCATACCTCGGTGTAATGAGGAGGGCTATTACAAAGCCACACAGTCCACGGC
 AGCACGGGGCAGTGTGGTGTGTGGACAAATATGGGAATGAGTTGGCTGGCTCCAGGAAACAGGGTGTCTG
 TGAGCTGTAAGAGGAGCAGGAAACCTCAGGGGATTTTGGCAGTGGTGGTCCGTGGTCCCTGCTGGATGA
 CCTAGAATATGAACGGGAGCTGGGACCAAGGACAAGAGGGGAAGCTGAGGGTGCACACCCGAGCCGTG
 ACAGAGGATGATGAGGATGAGGATGATGACAAAGAGGATGAGGTCGGGTACATATGG

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence:

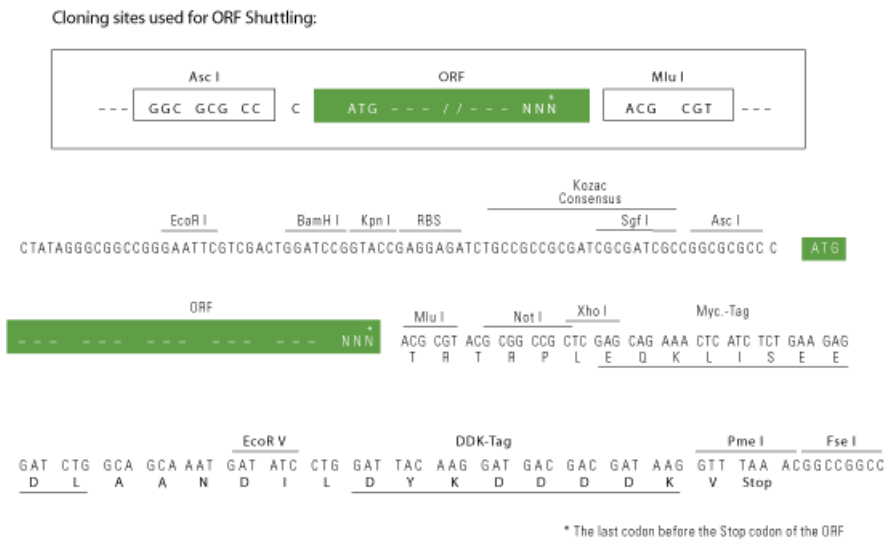
>RC205296 protein sequence
 Red=Cloning site Green=Tags(s)

MPAIAVLAAAAAWCFLQVESRHLDALAGGAGPNHGNFLDNDQWLSTVSQYDRDKYWNFRDDDYFRNWN
 PNKPFDKALDPSKDPCLKVKCSPHKVCVTQDYQTALCVSRKHLLPRQKKNVAQKHVWGPSNLVKCKPCP
 VAQSAMVCGSDGHSYTSKCKLEFHACSTGKSLATLCDGPCPLPEPEPPKHAERSACTDKELRNLASRL
 KDWFGALHEDANRVIKPTSSNTAQGRFDTSLPICKDSLGMFNLDMNYDLLLDPSEINAIYLDKYEPC
 IKPLFNSCDSFKDGKLSNNEWYCFQKPGGLPCQNMNRIQKLSKGSLLGAFIPRCNEEGYYKATQCHG
 STGQCWCVDKYGNELAGSRKQGAVSCEEEQETSGDFGSGGSVVLLDDLEYERELGPKDKEGKLRVHTRAV
 TEDDEDEDDKEDEVGYIW

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites:

Ascl-MluI

Cloning Scheme:


ACCN: NM_004598

ORF Size: 1317 bp

OTI Disclaimer: The molecular sequence of this clone aligns with the gene accession number as a point of reference only. However, individual transcript sequences of the same gene can differ through naturally occurring variations (e.g. polymorphisms), each with its own valid existence. This clone is substantially in agreement with the reference, but a complete review of all prevailing variants is recommended prior to use. [More info](#)

OTI Annotation: This clone was engineered to express the complete ORF with an expression tag. Expression varies depending on the nature of the gene.

Components: The ORF clone is ion-exchange column purified and shipped in a 2D barcoded Matrix tube containing 10ug of transfection-ready, dried plasmid DNA (reconstitute with 100 ul of water).

Reconstitution Method:

1. Centrifuge at 5,000xg for 5min.
2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA.
3. Close the tube and incubate for 10 minutes at room temperature.
4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom.
5. Store the suspended plasmid at -20°C. The DNA is stable for at least one year from date of shipping when stored at -20°C.

Note: Plasmids are not sterile. For experiments where strict sterility is required, filtration with 0.22um filter is required.

RefSeq: [NM_004598.4](#)

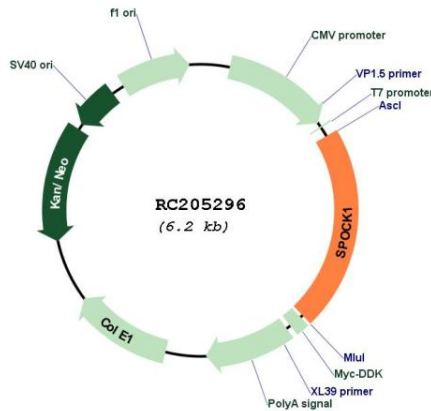
RefSeq Size: 4841 bp

RefSeq ORF: 1320 bp

Locus ID: 6695

UniProt ID: [Q08629](#)
Cytogenetics: 5q31.2
Domains: thyroglobulin_1, kazal
Protein Families: Secreted Protein
MW: 49.1 kDa
Gene Summary: 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. [provided by RefSeq, Jul 2008]

Product images:



Circular map for RC205296