

Product datasheet for **RG205296**

SPOCK1 (NM_004598) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Tag:	TurboGFP
Symbol:	SPOCK1
Synonyms:	SPOCK; TESTICAN; TIC1
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)

ORF Nucleotide Sequence: >RG205296 representing NM_004598
Red=Cloning site Blue=ORF Green=Tags(s)

GACGTTGTATACGACTCCTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCCGGCGCGCCC

ATGCCGGCGATCGCGGTGTTGGCGGCGGCCGCCGCGCGTGGTGCTTCCTCCAAGTCGAGAGCCGGCACC
TGGACGCGCTCGCCGGAGGCGCGGGCCCCAACCCACGGCAATTCCTAGACAATGACCAAGTGGCTGAGCAC
CGTCTCCAGTACGACCGGGACAAGTACTGGAACCGCTTCGAGACGATGATTATTCAGAACTGGAAT
CCCAACAAGCCCTTTGACAAAGCCCTGGACCCATCCAAGACCCCTGCCTGAAGGTAAAATGCAGCCCTC
ACAAAGTGTGTGTGACCCAGGACTACCAGACCGCCCTGTGTGTGAGCCGCAAGCACCTGCTCCCCAGGCA
AAAGAAGGGGAACGTGGCCAGAAACACTGGGTTGGACCTTCGAATTTGGTCAAGTGCAAGCCCTGTCCC
GTGGCAGTCAAGCATGGTCTGCGGCTCAGATGGCCACTCCTACACATCCAAGTGCAAAATTGGAGTTCC
ATGCTTGTCTACTGGCAAAAGCCTCGCCACCCTCTGTGATGGGCCCTGTCCCTGTCTCCAGAGCCTGA
GCCACCAAGCACAAGGCAGAAAGGAGTGCCTGCACAGACAAGGAGTTGCGGAACCTTGCCTCCCGGCTG
AAGGATTGGTTTGGAGCTCTCCACGAGGATGCGAACAGAGTCATCAAGCCACCAAGCTCCAACACAGCCC
AAGGCAGGTTTGACACTAGCATCCTGCCCATCTGCAAGGACTCCCTGGGCTGGATGTTCAACAAGTTGGA
CATGAAGTATGACCTCCTGCTTGACCCTTCAGAGATCAATGCCATCTACCTGGATAAGTACGAGCCCTGT
ATCAAGCCTCTTTTCAACTCGTGTGACTCCTTCAAGGATGGCAAGCTTTCTAACAATGAGTGGTGCTACT
GCTTCCAGAAGCCTGGAGGTCTCCCTTGCCAGAATGAAATGAACAGAATTCAGAAGCTGAGTAAGGGGAA
AAGCCTGTTGGGGCCTTCATACCTCGGTGTAATGAGGAGGGCTATTACAAAGCCACACAGTGCCACGGC
AGCACGGGGCAGTGTGTGTGGACAAATATGGGAATGAGTTGGCTGGCTCCAGGAAACAGGGTGCTG
TGAGCTGTGAAGAGGAGCAGGAAACCTCAGGGGATTTTGGCAGTGGTGGGTCGGTGCTGCTGGATGA
CCTAGAATATGAACGGGAGCTGGGACCAAGGACAAAGAGGGGAAGCTGAGGGTGACACCCGAGCCGTG
ACAGAGGATGATGAGGATGAGGATGATGACAAAGAGGATGAGGTGCGGTACATATGG

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA



Protein Sequence: >RG205296 representing NM_004598
 Red=Cloning site Green=Tags(s)

MPAIAVLAAAAAWCFLQVESRHLDALAGGAGPNHGNFLDNDQWLSTVSQYDRDKYWNFRDDDYFRNWN
 PNKPFDKALDPSKDPCLKVKCSPHKVCVTQDYQTALCVSRKHLLPRQKKGNVAQKHVWGPSNLVKCKPCP
 VAQSAMVCGSDGHSYTSKCKLEFHACSTGKSLATLCDGPCCLPEPEPPKHAERSACTDKELRNLASRL
 KDWFGALHEDANRVIKPTSSNTAQGRFDTSLPICKDSLGMFMNKLDMNYDLLLPSEINAIYLDKYEPC
 IKPLFNSCDFKDKLSNNEWCYCFQKPGGLPCQNMNRIQKLSKGKSLLGAFIPRCNEEGYKATQCHG
 STGQCWCVDKYGNELAGSRKQGAVSCEEEQETSGDFGSGGSVVLLDDLEYERELGPKDKEGKLRVHTRAV
 TEDDEDEDDEKDEVGYIW

TRTRPLE - GFP Tag - V

Restriction Sites: AscI-MluI

Cloning Scheme:



ACCN: NM_004598

ORF Size: 1317 bp

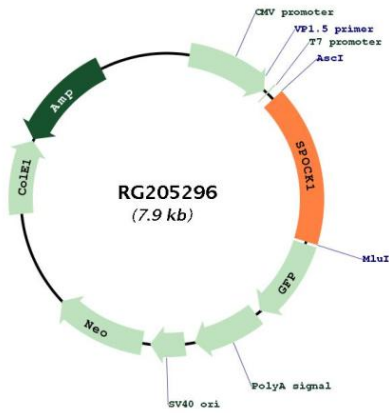
OTI Disclaimer: The molecular sequence of this clone aligns with the gene accession number as a point of reference only. However, individual transcript sequences of the same gene can differ through naturally occurring variations (e.g. polymorphisms), each with its own valid existence. This clone is substantially 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:	<u>NM_004598.3, NP_004589.1</u>
RefSeq Size:	4841 bp
RefSeq ORF:	1320 bp
Locus ID:	6695
UniProt ID:	<u>Q08629</u>
Cytogenetics:	5q31.2
Domains:	thyroglobulin_1, kazal
Protein Families:	Secreted Protein
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 RG205296