

Product datasheet for **RC232456**

SPOCK3 (NM_001204358) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	SPOCK3 (NM_001204358) Human Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	SPOCK3
Synonyms:	HSAJ1454; TES-3; TICN3
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin
ORF Nucleotide Sequence:	>RC232456 representing NM_001204358 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**GCGATCGCC**

ATGCTCAAGGTGTCAGCCGACTGTGTGTGTGTGCAGCCGTTGGTGCAGTCAGTCTCTCGCAGCTGCCG
CGGCGGTGGCTGCAGCCGGGGGGCGGTTCGGACGGCGGTAATTTCTGGATGATAAACAATGGCTCACCAC
AATCTCTCAGTATGACAAGGAAGTCGGACAGTGAACAAATTCGAGACGATGATTATTTCCGCACTTGG
AGTCCAGGAAAACCTTCGATCAGGCTTTAGATCCAGCTAAGGATCCATGCTTAAAGATGAAATGTAGTC
GCCATAAAGTATGCATTGCTCAAGATTCTCAGACTGCAGTCTGCATTAGTCACCGGAGGCTTACACACAG
GATGAAAGAAGCAGGAGTAGACCATAGGCAGTGGAGGGTCCCATATTATCCACCTGCAAGCAGTGCCCA
GTGGTCTATCCCAGCCCTGTTTGTGGTTCAGATGGTCATACCTACTCTTTTCAGTGCAAAGTGAATATC
AGGCATGTGTCTTAGGAAAACAGATCTCAGTCAAATGTGAAGGACATTGCCATGTCCTTCAGATAAGCC
CACCAGTACAAGCAGAAATGTTAAGAGAGCATGCAGTGACCTGGAGTTTCCAGGGAAGTGCAACAGATTG
CGGGACTGGTTCAAGCCCTTCATGAAAGTGAAGTCAAAACAAGAAGACAAAAACATTGCTGAGGCCTG
AGAGAAGCAGATTGATACCAGCATCTTGCCAATTTGCAAGGACTCACTTGGCTGGATGTTTAACAGACT
TGATACAAATATGACCTGCTATTGGACCAGTCAGAGCTCAGAAGCATTACCTTGATAAGAATGAACAG
TGTACCAAGCATTCTTCAATTCTGTGACACATACAAGGACAGTTTAATATCTAATAATGAGTGGTGTCT
ACTGCTCCAGAGACAGCAAGGTAAGA

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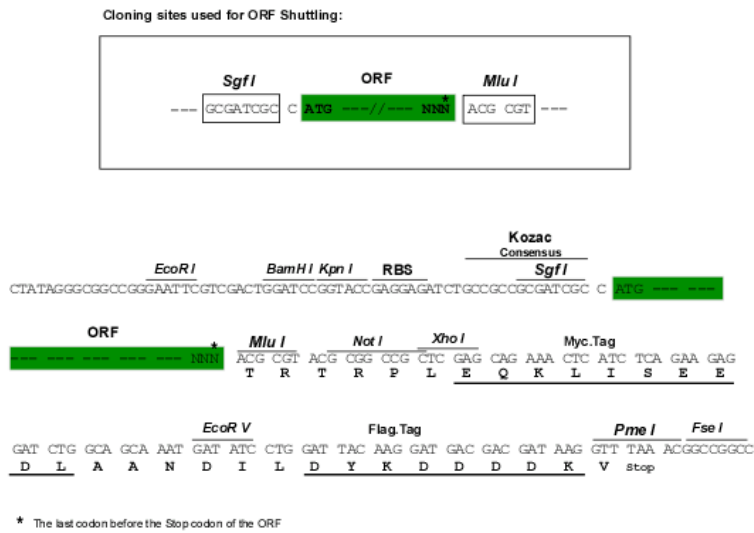
Protein Sequence: >RC232456 representing NM_001204358
 Red=Cloning site Green=Tags(s)

MLKVSAVLCVCAAWCSQSLAAAAVAAGGRSDGGNFLDDKQWLTTISQYDKEVGQWNKFRDDDYFRTW
 SPGKPFQALDPAKDPCLKMKCSRHKVCIAQDSQTAVCISHRRLTHRMKEAGVDHRQWRGPILSTCKQCP
 VVYPSPVCGSDGHTYSFQCKLEYQACVLGKQISVKCEGHCPSPDKPTSTSRNVKRACSDLEFREVANRL
 RDWFKALHESGSQNKKTLLRPERSRFDTSLPICKDSLGMFNRDLTNYDLLLDQSELRSIYLDKNEQ
 CTKAFFNSCDTYKDSLISNNEWCYCFQRQGKR

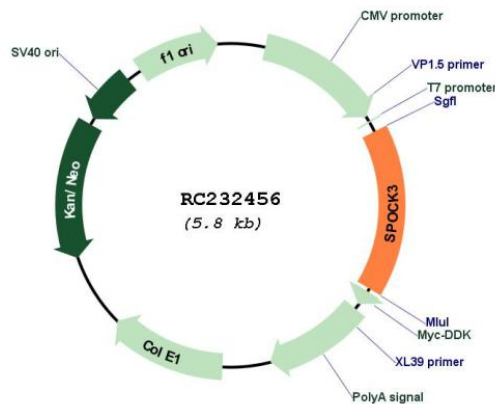
TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites: Sgfl-MluI

Cloning Scheme:



Plasmid Map:



ACCN: NM_001204358

ORF Size: 939 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:	<ol style="list-style-type: none"> 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.
RefSeq:	NM_001204358.2
RefSeq Size:	1544 bp
RefSeq ORF:	942 bp
Locus ID:	50859
UniProt ID:	Q9BQ16
Cytogenetics:	4q32.3
Protein Families:	Secreted Protein, Transmembrane
MW:	36 kDa
Gene Summary:	This gene encodes a member of a novel family of calcium-binding proteoglycan proteins that contain thyroglobulin type-1 and Kazal-like domains. The encoded protein and may play a role in adult T-cell leukemia by inhibiting the activity of membrane-type matrix metalloproteinases. Alternatively spliced transcript variants encoding multiple isoforms have been observed for this gene. [provided by RefSeq, Oct 2011]