

Product datasheet for **RG232456**

SPOCK3 (NM_001204358) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	SPOCK3 (NM_001204358) Human Tagged ORF Clone
Tag:	TurboGFP
Symbol:	SPOCK3
Synonyms:	HSAJ1454; TES-3; TICN3
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)
ORF Nucleotide Sequence:	>RG232456 representing NM_001204358 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGCTCAAGGTGTCAGCCGACTGTGTGTGTGTGCAGCCGCTTGGTGCAGTCAGTCTCTCGCAGCTGCCG
CGGCGTGGCTGCAGCCGGGGGGCGGTCGGACGGCGGTAATTTCTGGATGATAAACAATGGCTCACCAC
AATCTCTCAGTATGACAAGGAAGTCGGACAGTGAACAAATTCGAGACGATGATTATTTCCGCACTTGG
AGTCCAGGAAAACCTTCGATCAGGCTTTAGATCCAGCTAAGGATCCATGCTTAAAGATGAAATGTAGTC
GCCATAAAGTATGCATTGCTCAAGATTCTCAGACTGCAGTCTGCATTAGTCACCGGAGGCTTACACACAG
GATGAAAGAAGCAGGAGTAGACCATAGGCAAGTGGAGGGTCCCATATTATCCACCTGCAAGCAGTGCCCA
GTGGTCTATCCCAGCCCTGTTTGTGGTTAGATGGTCATACCTACTCTTTTCAGTGCAAACCTAGAATATC
AGGCATGTGTCTTAGGAAAACAGATCTCAGTCAAATGTGAAGGACATTGCCCATGTCTTCAGATAAGCC
CACCAGTACAAGCAGAAATGTTAAGAGAGCATGCAGTGACCTGGAGTTCAGGGAAGTGGCAAACAGATTG
CGGACTGGTTCAAGGCCCTTCATGAAAGTGAAGTCAAAACAAGAAGACAAAAACATTGCTGAGGCCTG
AGAGAAGCAGATTCGATACCAGCATCTTGCCAAATTTGCAAGGACTCACTTGGCTGGATGTTTAAACAGACT
TGATAAAACTATGACCTGCTATTGGACCAGTCAGAGCTCAGAAGCATTTACCTTGATAAGAATGAACAG
TGTACCAAGGCATTCTTCAATCTTGTGACACATACAAGGACAGTTAATATCTAATAATGAGTGGTGCT
ACTGCTTCCAGAGACAGCAAGGTTAAAAGA

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA



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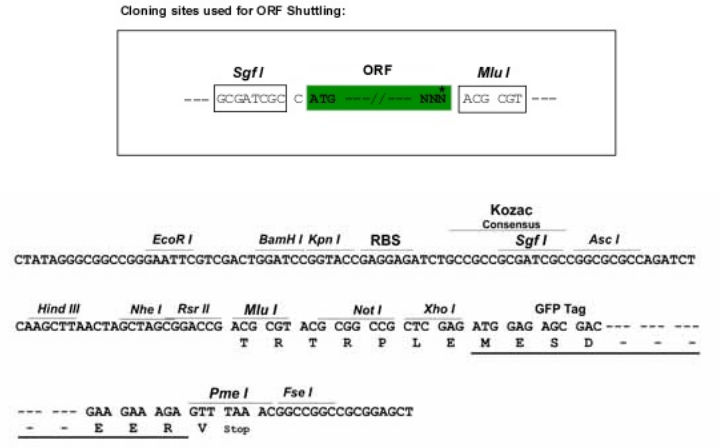
Protein Sequence: >RG232456 representing NM_001204358
 Red=Cloning site Green=Tags(s)

MLKVSAVLCVCAAAWCSQSLAAAAVAAGGRSDGGNFLDDKQWLTTISQYDKEVGQWNKFRDDDYFRTW
 SPGKPFQALDPAKDPCLKMKCSRHKVCIAQDSQTAVCISHRRLTHRMKEAGVDHRQWRGPILSTCKQCP
 VVYVSPVCGSDGHTYSFQCKLEYQACVLGKQISVKCEGHCPSPDKPTSTSRNVKRACSDLEFREVANRL
 RDWFKALHESGSQNKKTLLRPERSRFDTSILPICKDSLGMWFMRLDTNYDLLLDQSELRSIYLDKNEQ
 CTKAFFNSCDTYKDSLISNNEWCYCFQRQQGR

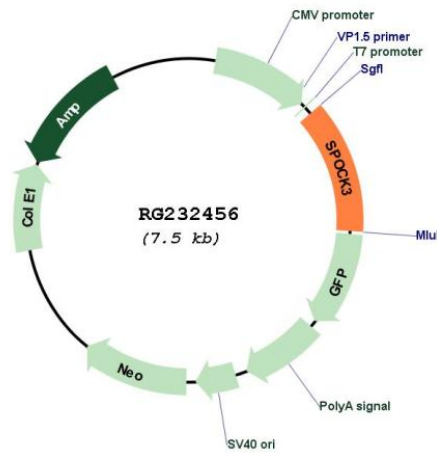
TRTRPLE - GFP Tag - V

Restriction Sites: SgfI-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
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]