

Product datasheet for **RG221304**

SPOCK3 (NM_016950) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	SPOCK3 (NM_016950) 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:	>RG221304 representing NM_016950 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGCTCAAGGTGTGAGCCGACTGTGTGTGTGTCAGCCGCTTGGTGCAGTCAGTCTCTCGCAGCTGCCG
CGGCGGTGGCTGCAGCCGGGGGGCGGTGCGACGGCGGTAATTTCTGGATGATAAACAATGGCTCACCAC
AATCTCTCAGTATGACAAGGAAGTCGGACAGTGGAAACAATTCGAGACGAAGTAGAGGATGATTATTTT
CGCACTGGAGTCCAGGAAAACCTTCGATCAGGCTTTAGATCCAGCTAAGGATCCATGCTTAAAGATGA
AATGTAGTCGCCATAAAGTATGCATTGCTCAAGATTCTCAGACTGCAGTCTGCATTAGTCACCGGAGGCT
TACACACAGGATGAAAGAAGCAGGAGTAGACCATAGGCAGTGGAGGGTCCCATATTATCCACCTGCAAG
CAGTGCCAGTGGTCTATCCCAGCCCTGTTTGTGGTTCAGATGGTCATACCTACTCTTTTCAGTGCAAAAC
TAGAATATCAGGCATGTGTCTTAGGAAAACAGATCTCAGTCAAATGTGAAGGACATTGCCATGTCTTTC
AGATAAGCCCACCAGTACAAGCAGAAAATGTTAAGAGAGCATGCAGTGACCTGGAGTTCAGGGAAAGTGGA
AACAGATTGCGGGACTGGTTCAGGCCCTTCATGAAAGTGAAGTCAAAACAAGAAGACAAAAACATTGC
TGAGGCCGTGAGAGAAGCAGATTCGATACCAGCATCTTGCCAAATTCGAAGGACTCACTTGGCTGGATGTT
TAACAGACTTGATACAACTATGACCTGCTATTGGACCAGTCAGAGCTCAGAAGCATTACCTTGATAAG
AATGAACAGTGTACCAAGCATTCTTCAATTCTTGTGACACATACAAGGACAGTTAATATCTAATAATG
AGTGGTGTACTGCTTCCAGAGACAGCAAGACCCACCTTGCCAGACTGAGCTCAGCAATATTCAGAAGCG
GCAAGGGGTAAAGAAGCTCCTAGGACAGTATATCCCCCTGTGTGATGAAGATGGTACTACATGCCAACA
CAGTGTGATGGCAGTGTGGACAGTGTGGTGTGTTGACAGATATGAAAATGAAGTCATGGGATCCAGAA
TAAATGGTGTGACAGATTGTGCTATAGATTTTGTAGATCTCCGGAGATTTTGTAGTGGCGATTTTCATGA
ATGGACTGATGATGAGGATGATGAAGACGATATTGAATGATGAAGATGAAATGAAGATGATGATGAA
GATGAAGGGGATGATGATGATGGTGTGATGACCATGATGTATACATT

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA



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Protein Sequence: >RG221304 representing NM_016950
 Red=Cloning site Green=Tags(s)

MLKVSAVLCVCAAAWCSQSLAAAAVAAGGRSDGGNFLDDKQWLTTISQYDKEVGQWNKFRDEVEDDYF
 RTWSPGKPFQALDPAKDPCLKMKCSRHKVCI AQDSQTAVCISHRRLTHRMKEAGVDHRQWRGPILSTCK
 QCPVVVYSPVCGSDGHTYSFQCKLEYQACVLGKQISVKCEGHCPSPDKPTSTSRNVKRACSDLEFREVA
 NRLRDWFKALHESGSQNKTKTLRLRPERSRFDTSILPICKDSLGMWFMNRLDTNYDLLLDQSELRSIYLDK
 NEQCTKAFFNSCDTYKDSLISNNEWCYCFQRQQDPPCQTELSNIQKRQGVKLLGQYIPLCEDEDGYMPT
 QCHGSVQCWCVDRYGNEVMGSRINGVADCAIDFEISGDFASGDFHEWTDDEDEDDIMNDEDEIEDDE
 DEGDDDDGGDDHDVYI

TRTRPLE - GFP Tag - V

Restriction Sites: SgfI-MluI

Cloning Scheme:



ACCN: NM_016950

ORF Size: 1308 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.

RefSeq: [NM_016950.1](#), [NP_058646.1](#)

RefSeq Size: 2168 bp

RefSeq ORF: 1311 bp

Locus ID: 50859

UniProt ID: [Q9BQ16](#)

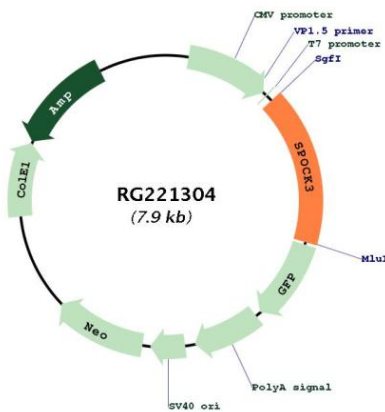
Cytogenetics: 4q32.3

Domains: thyroglobulin_1, kazal

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]

Product images:



Circular map for RG221304