

Product datasheet for RC233942

SPOCK3 (NM_001204352) Human Tagged ORF Clone

Product data:

| | |
|---------------------------|--|
| Product Type: | Expression Plasmids |
| Product Name: | SPOCK3 (NM_001204352) Human Tagged ORF Clone |
| Tag: | Myc-DDK |
| Symbol: | SPOCK3 |
| Synonyms: | HSAJ1454; TES-3; TICN3 |
| Mammalian Cell Selection: | Neomycin |
| Vector: | pCMV6-Entry (PS100001) |
| E. coli Selection: | Kanamycin (25 ug/mL) |
| ORF Nucleotide Sequence: | >RC233942 representing NM_001204352 Red=Cloning site Blue=ORF Green=Tags(s) |

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGATCACACAAGATCACATCCACATGTCTTCTGGGCTCAGTCAGGATGATTATTTCCGCACTTGGAGTC
CAGGAAAACCTTCGATCAGGCTTTAGATCCAGCTAAGGATCCATGCTTAAAGATGAAATGTAGTCGCCA
TAAAGTATGCATTGCTCAAGATTCTCAGACTGCAGTCTGCATTAGTCACCGGAGGCTTACACACAGGATG
AAAGAAGCAGGAGTAGACCATAGGCAGTGGAGGGTCCCATATTATCCACCTGCAAGCAGTGCCAGTGG
TCTATCCAGCCCTGTTTGTGGTTCAGATGGTCATACCTACTCTTTTCAGTGCAAAGTAGAATATCAGGC
ATGTGTCTTAGGAAAACAGATCTCAGTCAAATGTGAAGGACATTGCCCATGTCCTTCAGATAAGCCACC
AGTACAAGCAGAAATGTTAAGAGAGCATGCAGTGCCTGGAGTTCAGGGAAGTGGCAAACAGATTGCGGG
ACTGGTTCAAGGCCCTTCATGAAAGTGGAGTCAAACAAGAAGCAAAAACATTGCTGAGGCCTGAGAG
AAGCAGATTTCGATACCAGCATCTTGCCAAATTTGCAAGGACTCACTTGGCTGGATGTTAACAGACTTGAT
ACAAACTATGACCTGCTATTGGACCAGTCAGAGCTCAGAAGCATTACCTTGATAAGAATGAACAGTGTA
CCAAGGCATTCTCAATCTTGTGACACATACAAGGACAGTTTAAATCTAATAATGAGTGGTGTACTG
CTTCCAGAGACAGCAAGACCCACCTTGCCAGACTGAGCTCAGCAATATTCAGAAGCGCAAGGGGTAAG
AAGCTCCTAGGACAGTATATCCCCTGTGTGATGAAGATGGTTACTACAAGCCAACAATGTCATGGCA
GTGTTGGACAGTGTGGTGTGTTGACAGATATGGAAATGAAGTCATGGGATCCAGAATAAATGGTGTGC
AGATTGTGCTATAGATTTTGAGATCTCCGAGATTTTGTAGTGGCGATTTTCATGAATGGACTGATGAT
GAGGATGATGAAGACGATATTATGAATGATGAAGATGAAATGAAGATGATGATGAAGATGAAGGGGATG
ATGATGATGGTGGTATGACCATGATGTATACATT

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA



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Protein Sequence: >RC233942 representing NM_001204352
 Red=Cloning site Green=Tags(s)

MITQDHIHMSSGLSQDDYFRTWSPGKPFQALDPAKDPCLKMKCSRHKVCI AQDSQTAVCISHRRLTHRM
 KEAGVDHRQWRGPILSTCKQCPVVYVSPVCGSDGHTYSFQCKLEYQACVLGKQISVKCEGHCPSPDKPT
 STSRNVKRACSDLEFREVANRLRDWFKALHESGSQNKTKTLRPERSRFDTSILPICKDSLGMWFNRLD
 TNYDLLLDQSELRSIYLDKNEQCTKAFFNSCDTYKDSLISNNEWCYCFQRQDPPCQTELSNIQKRQGVK
 KLLGQYIPLCDEDEGYKPTQCHGSGVQCWVDVRYGNEVMGSRINGVADCAIDFEISGDFASGDFHEWTD
 EDDDDIMNDEDEIEDDEDEGDDDDGGDDHDVYI

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites:

Sgfl-MluI

Cloning Scheme:

Cloning sites used for ORF Shuttling:



* The last codon before the Stop codon of the ORF

ACCN: NM_001204352

ORF Size: 1155 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_001204352.1](#), [NP_001191281.1](#)

RefSeq Size: 3061 bp

RefSeq ORF: 1158 bp

Locus ID: 50859

UniProt ID: [Q9BQ16](#)

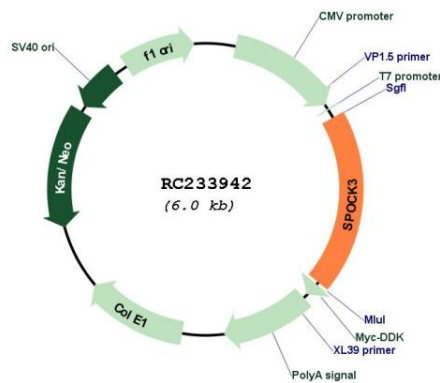
Cytogenetics: 4q32.3

Protein Families: Secreted Protein, Transmembrane

MW: 44.5 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]

Product images:



Circular map for RC233942