

Product datasheet for RC233740

SPOCK3 (NM_001204353) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	SPOCK3 (NM_001204353) 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:	>RC233740 representing NM_001204353 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGAAAGAAGCAGGAGTAGACCATAGGCAGTGGAGGGTCCCATTATCCACCTGCAAGCAGTGCCAG
TGGTCTATCCCAGCCCTGTTTGTGGTTCAGATGGTCATACCTACTCTTTTCAGTGCAAAGTAGAATATCA
GGCATGTGTCTTAGGAAAACAGATCTCAGTCAAATGTGAAGGACATTGCCCATGTCCTTCAGATAAGCCC
ACAGTACAAGCAGAAAATGTTAAGAGAGCATGCAGTGACCTGGAGTTCAGGGAAGTGCAAAACAGATTGC
GGGACTGGTTCAGGCCCTTCATGAAAGTGAAGTCAAACAAGAAGACAAAACATTGCTGAGGCCTGA
GAGAAGCAGATTCGATACCAGCATCTTGCCAATTTGCAAGGACTCACTTGGCTGGATGTTAACAGACTT
GATACAAACTATGACCTGCTATTGGACCAGTCAGAGCTCAGAAGCATTTACCTTGATAAGAATGAACAGT
GTACCAAGGCATTCTTCAATTCTGTGACACATACAAGGACAGTTAATATCTAATAATGAGTGGTGCTA
CTGCTTCAGAGACAGCAAGACCCACCTTGCCAGACTGAGCTCAGCAATATTCAGAAGCGGCAAGGGGTA
AAGAAGCTCCTAGGACAGTATATCCCCCTGTGTGATGAAGATGGTTACTACAAGCCAACAATGTCATG
GCAGTGTGGACAGTGTGGTGTGTTGACAGATATGAAATGAAGTCATGGGATCCAGAATAAATGGTGT
TGCAGATTGTCTATAGATTTTGAGATCTCCGGAGATTTGCTAGTGGCATTTCATGAATGGACTGAT
GATGAGGATGATGAAGACGATATTATGAATGATGAAGATGAAATGAAGATGATGATGAAGATGAAGGGG
ATGATGATGATGGTGGTATGACCATGATGTATACATT

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA



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Protein Sequence: >RC233740 representing NM_001204353
 Red=Cloning site Green=Tags(s)

MKEAGVDHRQWRGPILSTCKQCPVVYSPVCGSDGHTYSFQCKLEYQACVLGKQISVKCEGHCPSPDKP
 TSTSRNVKRACSDLEFREVANRLRDWFKALHESGSQNKTKTLLRPERSRFDTSILPICKDSLGMWFNRL
 DTNYDLLLDQSELRSIYLDKNEQCTKAFNSCDTYKDSLISNNEWCYCFQRQDPPCQTELSNIQKRQGV
 KKLLGQYIPLCEDGYYKPTQCHGSVGQCWCVDRYGNEVMGSRINGVADCAIDFEISGDFASGDFHEWTD
 DEDEDDIMNDEDEIEDDEDEGDDDDGGDDHDVYI

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites: SgfI-MluI

Cloning Scheme:

Cloning sites used for ORF Shuttling:



* The last codon before the Stop codon of the ORF

ACCN: NM_001204353

ORF Size: 948 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_001204353.1](#), [NP_001191282.1](#)

RefSeq Size: 2797 bp

RefSeq ORF: 951 bp

Locus ID: 50859

UniProt ID: [Q9BQ16](#)

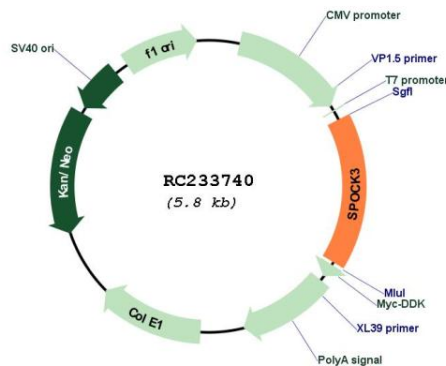
Cytogenetics: 4q32.3

Protein Families: Secreted Protein, Transmembrane

MW: 36.6 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 RC233740