

Product datasheet for **MR206956**

Spock3 (NM_023689) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Spock3 (NM_023689) Mouse Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Spock3
Synonyms:	2900045C01Rik; AI428471; mKIAA4039
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



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ORF Nucleotide Sequence:

>MR206956 ORF sequence
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGGATCGCC**

ATGCTCAAGGTGTCAGCCTTATTGTGTGTGTGTCAGCGCTTGGTGCAGCCAGACTCTGCAGCTGCCG
 CGGCGGTGGCTGTGGCCGGGGCGGTTCGACGCGCGTAATTTCTGGACGAAAAACAATGGCTCAGCAG
 AATCTCTCAGTATGACAAGGAAGTCGGACAGTGAACAAATTCGAGACGAAGTAGAGGATGATTATTT
 CGCACTTGAATCCAGGAAAACATTTGATCAAGCTTTAGATCCTGCTAAGGACCCATGCTTAAAGACGA
 AATGCAGCCGCCACAAAGTTTGCATTACGAGGATGCTCAGACTGCAGTGTATCAGTACCCGGAGGCT
 CACACACAGTATGAAAGAAGTAGGAGGAAGCCATAAGCAATGGAGAGGTCTCCCGTCATCTACCTGCAAG
 CCATGCCCTATCGCTATGCCAGCCAGTCTGTGGTTCTGATGGGCATTCCTACTCTTACAGTGCAAAAC
 TAGAATATCAGGCATGTGTCTTAGGAAAACAGATCTCTATCAAATGTGAAGGACGTTGCCCATGTCCCTC
 CGATAAGTCCATGAACATAGGCAGAAATGTTAAAAGAGCCTGCAGTGACCTGGAATTCAGAGAAGTGGA
 AACAGACTGCGAGACTGGTTCAAGGCCCTTCATGAGAGTGAAGCCAGAACAAGAAGACAAAAGCATTGC
 TGAGGCCCTGAGAGAAGCAGATTTGATACCAAGTATTTTGCCAATTTGCAAGGATCACTTGGCTGGATGTT
 TAATAGACTTGATACAACTATGACCTGCTATTGGACCAGTCAGAGCTTGGGAGCATATACCTTGATAAG
 AATGAGCAGTGCACCAAGGCGTCTTCAATTCTTGTGACACTTACAAGGACAGTTTGATATCTAATAATG
 AATGGTGTACTGTTCCAGAGACAGCAAGACCCACCTTGCCACACGGAGCTCAGTAACATTCAGAAGCG
 ACAGGGGATAAAGAAGCTCCTAGGACAGTACATCCACTCTGTGATGAAGATGGTTACTACAAACCAACA
 CAATGCCATGGCAGTGTAGGGCAGTCTGGTGTGTTGACAGATATGGAATGAAGTTGTTGGATCAAGAA
 TAAATGGTGTTCAGATTGTGCTATAGACTTTGAGATATCTGGAGATTTTCGCAAGTGGAGATTTTCGTGA
 ATGGACTGATGTAAGGTGAAGAAGATGACATTATGAATGATAAGGATGATATTGAAGATGATGATGAA
 GATGAAGGGGATGATGATGACGATGGGGATGTCCATGATGGATATATT

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence:

>MR206956 protein sequence
 Red=Cloning site Green=Tags(s)

MLKVSALLCVCAAWSQTLAAAAVAVAGGRSDGGNFLDEKQWLTTISQYDKEVGQWNKFRDEVEDDYF
 RTWNPVKPFDQALDPAKDPCLKTKSRHKVCITQDAQTALCISHRRLTHSMKEVGGSHKQWRGLPSSTCK
 PCPIAYASPVCGSDGHSYSSQCKLEYQACVLGKQISIKCEGRPCPSDKSMNIGRNVKRACSDLEFREVA
 NRLRDWFKALHESGSQNKTKALLRPERSRFDTSILPICKDSLGMFNRLDTNYDLLLDQSELGSIYLDK
 NEQCTKAFFNSCDTYKDSLISNNEWCYCFQRQQDPPCHTEL SNIQKRQGIKLLGQYIPLCEDGYYKPT
 QCHGSVGQCWCVDRYGNEVVGSRINGVADCAIDFEISGDFASGDFREWTDEGEEDDIMNDKDDIEDDE
 DEGDDDDGDVHDGYI

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites:

SgfI-MluI

Cloning Scheme:

Cloning sites used for ORF Shutting:



* The last codon before the Stop codon of the ORF

ACCN: NM_023689

ORF Size: 1311 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_023689.3](#)
RefSeq Size: 3226 bp

RefSeq ORF: 1311 bp

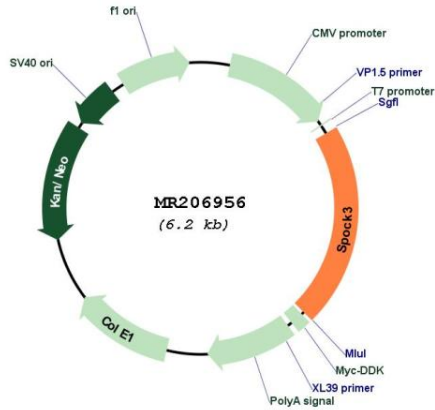
Locus ID: 72902

UniProt ID: [Q8BKV0](#)
Cytogenetics: 8 B3.1

MW: 49.1 kDa

Gene Summary: May participate in diverse steps of neurogenesis. Inhibits the processing of pro-matrix metalloproteinase 2 (MMP-2) by MT1-MMP and MT3-MMP. May interfere with tumor invasion (By similarity).[UniProtKB/Swiss-Prot Function]

Product images:



Circular map for MR206956