

Product datasheet for MR229882

Spock3 (NM_001252621) Mouse Tagged ORF Clone

Product data:

Product Type: Expression Plasmids
Product Name: Spock3 (NM_001252621) Mouse Tagged ORF Clone
Tag: Myc-DDK
Symbol: Spock3
Synonyms: 2900045C01Rik; AI428471; mKIAA4039
Vector: pCMV6-Entry (PS100001)
E. coli Selection: Kanamycin (25 ug/mL)
Cell Selection: Neomycin
ORF Nucleotide Sequence: >MR229882 representing NM_001252621
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGGATCGCC**

ATGCTCAAGGTGTCAGCCTTATTGTGTGTGTGTGCAGCGGCTTGGTGCAGCCAGACTCTTGAGCTGCCG
 CGGCGGTGGCTGTGGCCGGGGGGCGGTCCGACGGCGGTAATTTCTGGACGAAAAACAATGGCTCAGCAG
 AATCTCTCAGTATGACAAGGAAGTCGGACAGTGAACAAATTCGAGACGATGATTATTTCCGCACTTGG
 AATCCAGGAAAAACATTTGATCAAGCTTTAGATCCTGCTAAGGACCCATGCTTAAAGACGAAATGCAGCC
 GCCACAAAGTTTGCATTACGCAGGATGCTCAGACTGCACTGTGTATCAGTCACCGGAGGCTCACACACAG
 TATGAAAGAAGTAGGAGGAAGCCATAAGCAATGGAGAGGTCTCCCGTCATCTACCTGCAAGCCATGCCCT
 ATCGCCTATGCCAGCCAGTCTGTGGTTCTGATGGGCAATTCCTACTCTTCACAGTGCAAAGTGAATATC
 AGGCATGTGTCTTAGGAAAACAGATCTCTATCAAATGTGAAGGACGTTGCCATGTCCCTCCGATAAGTC
 CATGAACATAGGCAGAAATGTTAAAAGAGCCTGCAGTGACCTGGAATTCAGAGAAGTGCCAAACAGACTG
 CGAGACTGGTTCAAGCCCTTCATGAGAGTGAAGCCAGAACAAGAAGACAAAAGCATTGCTGAGGCCTG
 AGAGAAGCAGATTTGATACCAAGTATTTGCAATTTGCAAGGATCACTTGGCTGGATGTTAATAGACT
 TGATACAAACTATGACCTGCTATTGGACCAGTCAGAGCTTGGGAGCATATACCTTGATAAGAATGAGCAG
 TGCACCAAGGCGTTCTTCAATTCTGTGACACTTACAAGGACAGTTTGATATCTAATAATGAATGGTGCT
 ACTGTTTCCAGAGACAGCAAGACCCACCTTGCCACACGGAGCTCAGTAACATTCAGAAGCGACAGGGGAT
 AAAGAAGCTCCTAGGACAGTACATTCCACTCTGTGATGAAGATGGTTACTACAAACCAACACAATGCCAT
 GGCAGTGTAGGGCAGTGTGGTGTGTGACAGATATGAAATGAAGTGTGGATCAAGAATAAATGGTG
 TTGAGATTGTGCTATAGACTTTGAGATATCTGGAGATTTGCAAGTGGAGATTTTCGTAATGGACTGA
 TGATGAAGGTGAAGAAGATGACATTATGAATGATAAGGATGATATTGAAGATGATGATGAAGATGAAGGG
 GATGATGATGACGATGGGGATGTCCATGATGGATATATT

ACGCGTACGCGGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA



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Protein Sequence: >MR229882 representing NM_001252621
Red=Cloning site Green=Tags(s)

MLKVSALLCVCAAWCSQTLAAAAVAVAGGRSDGGNFLDEKQWLTTISQYDKEVGQWNKFRDDDYFRTW
 NPGKPFQALDPAKDPCLKTKCSRHKVCITQDAQTALCISHRRLTHSMKEVGGSHKQWRGLPSSTCKPCP
 IAYASPVCSDGHSYSSQCKLEYQACVLGKQISIKCEGRCPSPDKSMNIGRNVKRACSDLEFREVANRL
 RDWFKALHESGSQNKTKALLRPERSRFDTSILPICKDSLGMFNRDLDTNYDLLLDQSELGSIYLDKNEQ
 CTKAFFNSCDTYKDSLISNNEWCYCFQRQDPPCHTELSNIQKRQGIKLLGQYIPLCDEDEGYKPTQCH
 GSVGQCWCVDRYGNEVVGSRINGVADCAIDFEISGDFASGDFREWTDDEGEEDDIMNDKDDIEDDDEDEG
 DDDDDGDVHDGYI

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

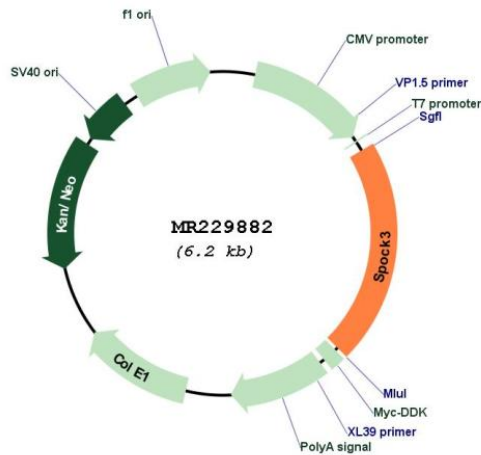
Restriction Sites:

SgfI-MluI

Cloning Scheme:



Plasmid Map:



ACCN: NM_001252621

ORF Size:	1299 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_001252621.1 , NP_001239550.1
RefSeq Size:	3103 bp
RefSeq ORF:	1302 bp
Locus ID:	72902
UniProt ID:	Q8BKV0
Cytogenetics:	8 B3.1
MW:	49.2 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]