

Product datasheet for MC227671

Spock3 (NM_001252621) Mouse Untagged Clone

Product data:

Product Type: Expression Plasmids
Product Name: Spock3 (NM_001252621) Mouse Untagged Clone
Tag: Tag Free
Symbol: Spock3
Synonyms: 2900045C01Rik; AI428471; mKIAA4039
Vector: pCMV6-Entry (PS100001)
E. coli Selection: Kanamycin (25 ug/mL)
Cell Selection: Neomycin
Fully Sequenced ORF: >MC227671 representing NM_001252621
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGGATCGCC**

ATGCTCAAGGTGTCAGCCTTATTGTGTGTGTGTCAGCGGCTTGGTGCAGCCAGACTCTTGACGTGCCG
 CGCGGTGGCTGTGGCCGGGGCGGTTCGACGGCGGTAATTTCTGGACGAAAAACAATGGCTCAGCAC
 AATCTCTCAGTATGACAAGGAAGTCGGACAGTGAACAAATTCGAGACGATGATTATTTCCGCACTTGG
 AATCCAGGAAAACCAATTTGATCAAGCTTTAGATCCTGCTAAGGACCCATGCTTAAAGACGAAATGCAGCC
 GCCACAAAGTTTGCATTACGCAGGATGCTCAGACTGCACTGTGTATCAGTCACCGGAGGCTCACACACAG
 TATGAAAGAAGTAGGAGGAAGCCATAAGCAATGGAGAGGTCTCCCGTCATCTACCTGCAAGCCATGCCCT
 ATCGCCTATGCCAGCCAGTCTGTGGTTCTGATGGGCAATTCCTACTCTTCACAGTGCAAAGTACAATATC
 AGGCATGTGTCTTAGGAAAACAGATCTCTATCAAATGTGAAGGACGTTGCCATGTCCCTCCGATAAGTC
 CATGAACATAGGCAGAAATGTTAAAAGAGCCTGCAGTGACCTGGAATTCAGAGAAGTGCAAAACAGACTG
 CGAGACTGGTTCAAGCCCTTCATGAGAGTGAAGCCAGAACAAGAAGACAAAAGCATTGCTGAGGCCTG
 AGAGAAGCAGATTTGATACCAAGTATTTGCAATTTGCAAGGATTCACCTGGCTGGATGTTAATAGACT
 TGATACAAACTATGACCTGCTATTGGACCAGTCAGAGCTTGGGAGCATATACCTTGATAAGAATGAGCAG
 TGCACCAAGGCGTTCTTCAATTCTGTGACACTTACAAGGACAGTTTGATATCTAATAATGAATGGTGCT
 ACTGTTTCCAGAGACAGCAAGACCCACCTTGCCACACGGAGCTCAGTAACATTCAGAAGCGACAGGGGAT
 AAAGAAGCTCCTAGGACAGTACATTCCTCTGTGATGAAGATGGTTACTACAAACCAACACAATGCCAT
 GGCAGTGTAGGGCAGTGTGGTGTGTGACAGATATGAAATGAAGTTGTTGGATCAAGAATAAATGGTG
 TTGAGATTGTGCTATAGACTTTGAGATATCTGGAGATTCGCAAGTGGAGATTTTCGTAATGGACTGA
 TGATGAAGGTGAAGAAGATGACATTATGAATGATAAGGATGATATTGAAGATGATGATGAAGATGAAGGG
 GATGATGATGACGATGGGATGTCCATGATGGATATATTGA

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA



[View online >](#)

Restriction Sites:	Sgfl-Mlul
ACCN:	NM_001252621
Insert Size:	1302 bp
OTI Disclaimer:	Our molecular clone sequence data has been matched to the reference identifier above as a point of reference. Note that the complete sequence of our molecular clones may differ from the sequence published for this corresponding reference, e.g., by representing an alternative RNA splicing form or single nucleotide polymorphism (SNP).
OTI Annotation:	Clone contains native stop codon, and expresses the complete ORF without any c-terminal tag.
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:	<u>NM_001252621.1, NP_001239550.1</u>
RefSeq Size:	3103 bp
RefSeq ORF:	1302 bp
Locus ID:	72902
UniProt ID:	<u>Q8BKV0</u>
Cytogenetics:	8 B3.1
Gene Summary:	<p>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]</p> <p>Transcript Variant: This variant (3) differs in the 5' UTR and lacks an alternate in-frame exon compared to variant 1. The resulting isoform (2) has the same N- and C-termini but is shorter compared to isoform 1. Variants 3 and 4 both encode the same isoform (2).</p>