

## Product datasheet for **MC227689**

### Spock3 (NM\_001252620) Mouse Untagged Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	Spock3 (NM_001252620) 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:	>MC227689 representing NM_001252620 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
GCC**CGATCGCC**

ATGCTCAAGGTGTCAGCCTTATTGTGTGTGTGTGCAGCGGCTTGGTGCAGCCAGACTCTTGCAGCTGCCG  
CGCGGTGGCTGTGGCCGGGGGGCGGTTCGACGGCGGTAATTTCTGGACGAAAAACAATGGCTCACGAC  
AATCTCTCAGTATGACAAGGAAGTCGGACAGTGAACAAATTCGAGACGAAGTAGAGGATGATTATTTCC  
CGCACTTGGAAATCCAGGAAAACCAATTTGATCAAGCTTTAGATCCTGCTAAGGACCCATGCTTAAAGACGA  
AATGCAGCCGCCACAAAGTTTGCAATACGAGGATGCTCAGACTGCACTGTGTATCAGTACCCGGAGGCT  
CACACACAGTATGAAAGAAGTAGGAGGAAGCCATAAGCAATGGAGAGGTCTCCCCTCATCTACCTGCAAG  
CCATGCCCTATCGCTATGCCAGCCAGTCTGTGGTTCTGATGGGCATTCTACTCTTACAGTGCAAAAC  
TAGAATATCAGGCATGTGTCTTAGGAAAACAGATCTCTATCAAATGTGAAGGACGTTGCCCATGTCCCTC  
CGATAAGTCCATGAACATAGGCAGAAATGTTAAAAGAGCCTGCAGTGACCTGGAATTCAGAGAAGTGGA  
AACAGACTGCGAGACTGGTTCAAGGCCCTCATGAGAGTGAAGCCAGAACAAGAAGACAAAAGCATTGC  
TGAGGCTGAGAGAAGCAGATTTGATACCAGATTTTGGCAATTTGCAAGGATTCACTTGGCTGGATGTT  
TAATAGACTTGATACAACTATGACCTGCTATTGGACCAGTCAGAGCTTGGGAGCATATACCTTGATAAG  
AATGAGCAGTGCACCAAGCGTTCCTCAATTCCTGTGACACTTACAAGGACAGTTTGATATCTAATAATG  
AATGGTGTACTGTTCCAGAGACAGCAAGACCCACCTTGCCACACGGAGCTCAGTAACATTCAGAAGCG  
ACAGGGGATAAAGAAGCTCCTAGGACAGTACATCCACTCTGTGATGAAGATGGTTACTACAAACCAACA  
CAATGCCATGGCAGTGTAGGCGAGTGTGGTGTGTTGACAGATATGAAATGAAGTTGTTGGATCAAGAA  
TAAATGGTGTGAGATTGTGCTATAGACTTTGAGATATCTGGAGATTTCCGAAGTGGAGATTTTCGTGA  
ATGGACTGATGATGAAGGTGAAGAAGATGACATTATGAATGATAAGGATGATATTGAAGATGATGATGAA  
GATGAAGGGGATGATGATGACGATGGGGATGTCCATGATGGATATATTGA

**ACGCGT**ACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
ACAAGGATGACGACGATAAGGTTTAA



<b>Restriction Sites:</b>	Sgfl-Mlul
<b>ACCN:</b>	NM_001252620
<b>Insert Size:</b>	1311 bp
<b>OTI Disclaimer:</b>	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).
<b>OTI Annotation:</b>	Clone contains native stop codon, and expresses the complete ORF without any c-terminal tag.
<b>Components:</b>	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).
<b>Reconstitution Method:</b>	<ol style="list-style-type: none"> <li>1. Centrifuge at 5,000xg for 5min.</li> <li>2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA.</li> <li>3. Close the tube and incubate for 10 minutes at room temperature.</li> <li>4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom.</li> <li>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.</li> </ol>
<b>RefSeq:</b>	<u><a href="#">NM_001252620.1</a></u> , <u><a href="#">NP_001239549.1</a></u>
<b>RefSeq Size:</b>	3112 bp
<b>RefSeq ORF:</b>	1311 bp
<b>Locus ID:</b>	72902
<b>UniProt ID:</b>	<u><a href="#">Q8BKV0</a></u>
<b>Cytogenetics:</b>	8 B3.1
<b>Gene Summary:</b>	<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 (2) differs in the 5' UTR compared to variant 1. Variants 1 and 2 both encode the same isoform (1). Sequence Note: This RefSeq record was created from transcript and genomic sequence data to make the sequence consistent with the reference genome assembly. The genomic coordinates used for the transcript record were based on transcript alignments.</p>