

## Product datasheet for **MC205345**

### Spock3 (NM\_023689) Mouse Untagged Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	Spock3 (NM_023689) Mouse Untagged Clone
Tag:	Tag Free
Symbol:	Spock3
Synonyms:	2900045C01Rik; AI428471; mKIAA4039
Mammalian Cell Selection:	Neomycin
Vector:	PCMV6-Kan/Neo (PCMV6KN)
E. coli Selection:	Kanamycin (25 ug/mL)



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**Fully Sequenced ORF:** >BC017601  
 AGCAGTCCAGCAAGAAGCGAGTTGCCAGAGCCGGGCTGCTTTTCCATCAGGAGCTGCGAGCTCCGTGCC  
 CGCTCTCAACAAGATGCTCAAGGTGTCAGCCTTATTGTGTGTGTGTGCAGCGGCTTGGTGACGCCAGACT  
 CTTGCAGCTGCCGCGGGTGGCTGTGGCCGGGGGGCGGTCCGACGGCGGTAATTTTCTGGACGAAAAAC  
 AATGGCTCAGACAATCTCTCAGTATGACAAGGAAGTCGGACAGTGGAACAAATCCGAGACGAAGTAGA  
 GGATGATTATTTCCGCACTTGAATCCAGGAAAACCATTTGATCAAGCTTTAGATCCTGCTAAGGACCCA  
 TGCTTAAAGACGAAATGCAGCCGCCACAAGTTTGCAATACGCAGGATGCTCAGACTGCATGTGTATCA  
 GTCACCGGAGGCTCACACACAGTATGAAAGAAGTAGGAGGAAGCCATAAGCAATGGAGAGGTCTCCCGTC  
 ATCTACCTGCAAGCCATGCCCTATCGCCTATGCCAGCCAGTCTGTGGTTCTGATGGGCATTCTACTCT  
 TCACAGTGCAAATAAGATATCAGGCATGTGTCTTAGGAAAACAGATCTCTATCAAATGTGAAGGACGTT  
 GCCCATGTCCCTCCGATAAGTCCATGAACATAGGCAGAAAATGTTAAAAGAGCCTGCAGTGACCTGGAATT  
 CAGAGAAGTGCCAAACAGACTGCGAGACTGGTTCAAGGCCCTTCATGAGAGTGGAAGCCAGAACAGAAG  
 ACAAAGCATTGTGAGGCTGAGAGAAGCAGATTTGATACCAGTATTTGCCAATTTGCAAGGATTAC  
 TTGGCTGGATGTTAATAGACTTGATACAACTATGACCTGCTATTGGACCAGTCAGAGCTTGGGAGCAT  
 ATACCTTGATAAGAATGAGCAGTGACCAAGGCGTTCTTCAATCTTGTGACACTTACAAGGACAGTTTG  
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 ACATTCAGAAGCGACAGGGGATAAAGAAGCTCCTAGGACAGTACATTCCTCTGTGATGAAGATGGTTA  
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 GTTGGATCAAGAAATAATGGTGTGTCAGATTGTGCTATAGACTTTGAGATATCTGGAGATTTTCGCAAGTG  
 GAGATTTTCGTGAATGGACTGATGATGAAGGTGAAGAAGTACATTATGAATGATAAGGATGATTTGA  
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 CATAGAACTTGATGTTAAATTAGAATTGTTAATTTTCAGTTTTTCATATGCCTTAGAAAAAAGAAAAAC  
 ATATGGGTTGCAGCCTGAATATAGAAAGTTGTAAGATTACTATAGCAAAAATTTATAAGAAAATACTA  
 TGTAATTTTCCACAAACAAAATAACAGTGAATGTGTGCTTGGGATCATGTGTGTGCTTTTATGACAGA  
 TTGTATAAGTTAAATTTAAATAGGTAATAATGACCTGAACCACAATAATTTTCATCGATTAACCTCATGA  
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 GTAAGAGAAAGTGGTAATCTTTTCAATCGTGAAGTTATACTGGGTATGATTAATATTATATGCAATGCA  
 AACTATGAAAACTTTGGGTTCTGAAAGTTAAAAACTTAAAGATTTTTCTTCTACTTTTTAATTTAATA  
 GCATTGCATAACATGTGGATTTTTAAAAATATTCCTTGACAACCTCATTTCTCAGTTTCTCTCTTTCT  
 GAGTAGTAATCATGTATAGAATTTCAATTAGAAGGAGAAACAGACTTATTTCAACCCCTTTTTCTATAAA  
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 GCATTTGATCTTGGAAATCATGCCATTTTGTAGTGGTATTGAAATTAGAGACCATGTTGTATGGTGCCCT  
 TGCAAAAATAGAAATAGAAAGGGTTAGCATGTATATCAGTATAGAAGACTAGGCAATGTGTAAGCACACA  
 TAATTAACAAATATTGCTATTTAAATACTGCTAGAATGAAGAAAATGGAATATGTTTCTTTCTTTTTTT  
 CTATTGTTACATAATCCCATATGGACTTGTTCATAATTTGTGAAGAGTAGCATTAAAGATTACCTGTA  
 ACGAAAGTTACTTTGTTCACTATACATCAGTTAGCATGTTAATTAATTGTGTAGACATTTTGACATACCA  
 CCACCTTTGGGTATATCACACCAGTATTTGTGCTCATAATAGAAGTGGGAAAACCTGTTGAATTTTAC  
 ACATTGGTATCTTCACTTCAACAGTGAATTTACAGATTTCCAGGAATATCATTATAAGAACACAATTT  
 TGGTGAACCTTGGCATTAAATTTATATACAGTAAATAAAAACTTTAATGTTGAACCTTACATAATTTTA  
 AGCTATAATGCATTTTCTTTTTTACTGTTTATGTATAGTTTACAAAATAAAGAATCTTGTAAACCAAGT  
 AAACAGTTCCTTAATGATTTTCTTGGGTATACATAATAGCATGAAGAGTTTTTAATTTTATTCCTTAATTC  
 TGCAAAAATAACATACCACAACAGAGCCAATAAGTTTTTCTCAGTTTATTTTAAAGTTTTTAAACCTGATT  
 TGTTAGTGTCTTGGGTAGAATATATTTATCTTTGTTTGGTATTATTTAATCTGTTTATTTGTCAAAA  
 TATTGAGAAATAAATACTTTTCTTCCAAAAAAAAAAAAAAAAAA

**Restriction Sites:** RsrII-NotI  
**ACCN:** NM\_023689  
**Insert Size:** 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>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>	<a href="#">BC017601</a> , <a href="#">AAH17601</a>
<b>RefSeq Size:</b>	3125 bp
<b>RefSeq ORF:</b>	1311 bp
<b>Locus ID:</b>	72902
<b>UniProt ID:</b>	<a href="#">Q8BKV0</a>
<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 (1) represents the longest transcript and encodes the longer isoform (1). Variants 1 and 2 both encode the same isoform (1).</p>