

Product datasheet for **MG206956**

Spock3 (NM_023689) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Spock3 (NM_023689) Mouse Tagged ORF Clone
Tag:	TurboGFP
Symbol:	Spock3
Synonyms:	2900045C01Rik; AI428471; mKIAA4039
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)
ORF Nucleotide Sequence:	>MG206956 representing NM_023689 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGCTCAAGGTGTCAGCCTTATTGTGTGTGTGTCAGCGGCTTGGTGCAGCCAGACTCTTGCAGCTGCCG
CGGCGGTGGCTGTGGCCGGGGGGCGGTTCGACGCGGTAATTTCTGGACGAAAAACAATGGCTCACGAC
AATCTCTCAGTATGACAAGGAAGTCGGACAGTGAACAATTCGAGACGAAGTAGAGGATGATTATTTTC
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AATGCAGCGCCACAAAGTTTGCATTACGAGGATGCTCAGACTGCACTGTGTATCAGTCACCGGAGGCT
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CCATGCCCTATCGCCTATGCCAGCCAGTCTGTGGTTCTGATGGGCATTCTACTCTTACAGTGCAAAAC
TAGAATATCAGGCATGTGTCTTAGGAAAACAGATCTCTATCAAATGTGAAGGACGTTGCCATGTCCCTC
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ACAGGGGATAAAGAAGCTCCTAGGACAGTACATCCACTCTGTGATGAAGATGGTTACTACAAAACCAACA
CAATGCCATGGCAGTGTAGGCGAGTGTGGTGTGTTGACAGATATGAAAATGAAGTTGTTGGATCAAGAA
TAAATGGTGTGAGATTGTGCTATAGACTTTGAGATATCTGGAGATTTCCGCAAGTGGAGATTTTCGTGA
ATGGACTGATGATGAAGGTGAAGAAGATGACATTATGAATGATAAGGATGATATTGAAGATGATGATGAA
GATGAAGGGGATGATGATGACGATGGGGATGTCCATGATGGATATATT

ACCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA



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Protein Sequence: >MG206956 representing NM_023689
 Red=Cloning site Green=Tags(s)

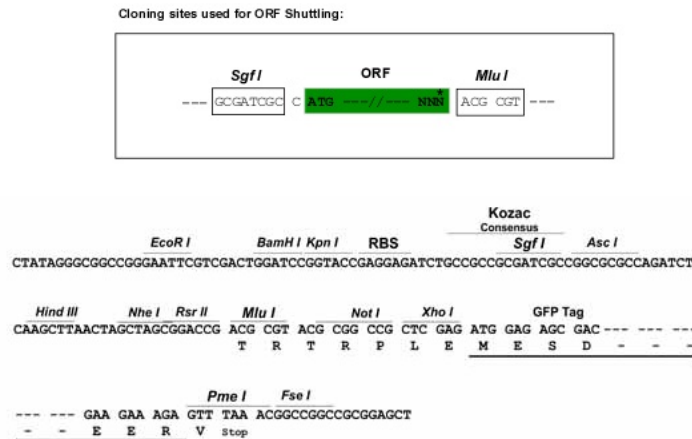
MLKVSALLCVCAAWCSQTLAAAAVAVAGGRSDGGNFLDEKQWLTTISQYDKEVGQWNKFRDEVEDDYF
 RTWNP GKPF DQALDPAKDPCLKTKCSRHKVCITQDAQTALCISHRRLTHSMKEVGGSHKQWRGLPSSTCK
 PCPIAYASPVCSDGHSYSSQCKLEYQACVLGKQISIKCEGRPCPSDKSMNIGRNVKRACSDLEFREVA
 NRLRDWFKALHESGSQNKTKALLRPERSRFDTSILPICKDSLWGMFNRLDTNYDLLLDQSELGSIYLDK
 NEQCTKAFFNSCDTYKDSLISNNEWCYCFQRQDPPCHTEL SNIQKRQGIKLLGQYIPLCEDEDGYKPT
 QCHGSVGQCWCVDRYGNEVVGSRINGVADCAIDFEISGDFASGDFREWTDDEGEEDDIMNDKDDIEDDE
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TRTRPLE - GFP Tag - V

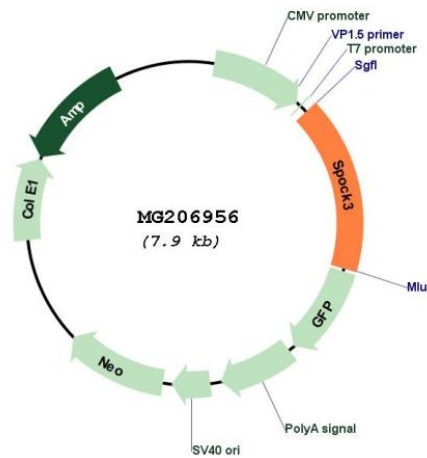
Restriction Sites:

SgfI-MluI

Cloning Scheme:



Plasmid Map:



ACCN:

NM_023689

ORF Size:	1308 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_023689.3
RefSeq Size:	3125 bp
RefSeq ORF:	1311 bp
Locus ID:	72902
UniProt ID:	Q8BKV0
Cytogenetics:	8 B3.1
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]