

Product datasheet for **MG223159**

Spock1 (NM_001166465) Mouse Tagged ORF Clone

Product data:

Product Type: Expression Plasmids
Product Name: Spock1 (NM_001166465) Mouse Tagged ORF Clone
Tag: TurboGFP
Symbol: Spock1
Synonyms: Spock; testican; Ticn1
Mammalian Cell Selection: Neomycin
Vector: pCMV6-AC-GFP (PS100010)
E. coli Selection: Ampicillin (100 ug/mL)
ORF Nucleotide Sequence: >MG223159 representing NM_001166465
 Red=Cloning site Blue=ORF Green=Tags(s)

GACGTTGTATACGACTCCTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**GGCGGCC**

ATGCCAGCGATCGCGGTGCTCGCGGCGGCCGCCGCGGCGTGGTGCTTCTCCAAGTGGACAGCCGGCACC
 TGGACGCGCTGGCCGGTGGCGGCCCTCAACAACGCCAATTTCTAGACAATGACCAGTGGCTGAGCAC
 TGTCTCCAGTATGACCGTGACAAGTACTGGAACCGCTCCGAGATGATGACTATTTAGAACTGGAAT
 CCCAACAGCCCTTCGACCAAGCCCTGGACCCATCCAAGGACCCCTGCCTGAAGGTGAAATGCAGCCCGC
 ACAAGTATGTGTGACCCAGGACTACCAGACGGCTCTGTGTGTCAGCCGCAAGCACCTGTTGCCAGGCA
 GAAGAAGGGCAATGTGGCTCACAAACACTGGCTTGGACCTTCCAATCTGGTTAAGTGAAGCCTTGCCCC
 GTGGCGCAGTCAGCGATGGTCTGCGGCTCTGACGGCCACACGTACACGTCCAAGTGAAGTTGGAATTC
 ACGCTTGTCTACAGGCAAAAGCCTCAACTCCCTCTGTGATGGGCCCTGTCCGTGTCTGCCTGAGCCTGA
 GCCACTGAAGCCAAAGCAGAGAAGAGTGCCTGCACGGACAAGGAGTGCAGAACCTCGCCTCCCGGCTG
 AAGGACTGGTTCGGGGCTCTTATGAGGACGCCAATAGAGTCATCAAGCCTACCAGCTCTGATCCAGCCC
 AAGGCAGGTTTGACACCAGCATTTACCATTTGCAAGGACTCCTTGGGTTGGATGTTCAACAAGTTGGA
 CATGAACATGACCTGTTGTGGACCACTCAGAGATCAATGCCATCTACCTAGACAAATATGAGCCCTGC
 ATCAAGCCTCTTCAACTCGTGCAGCTCCTTCAAGGACGCAAACTCTCAACAATGAGTGGTGTACT
 GTTCCAGAAGCCAGCGGTCTCCCTTGCCAGAATGAAATGAACAGAATTCAGAAGCTAAGCAAGGGGAA
 AAGCCTACTGGGAACAATTTGAAAAATGGGACCGTGCCACACGGCTGAGTGTGCATCAATTTCTTCTC
 TCTCTGTGGAGGAGTTCGTGGGTTCTTCCATCCATCGTCAG

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA



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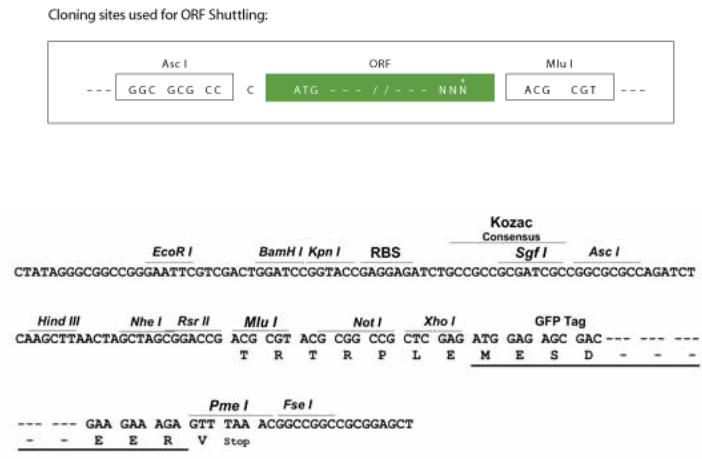
Protein Sequence: >MG223159 representing NM_001166465
 Red=Cloning site Green=Tags(s)

MPAIAVLAAAAAWCFLQVDSRHLDALAGGAALNNANFLDNDQWLSTVSQYDRDKYWNFRDDDYFRNWN
 PNKPFQALDPSKDPCLKVKCSPHKVCVTQDYQTALCVSRKHLLPRQKKNVAHKHWLGPSNLVKCKPCP
 VAQSAMVCGSDGHTYTSKCKLEFHACSTGKSLNSLCDGPCPCLPEPEPLKPKAEKSACTDKELRNLASRL
 KDWFALHEDANRVIKPTSSDPAQGRFDTSLIPICKDSLGMWFMNKLDMNYDLLLDHSEINAIYLDKYEPC
 IKPLFNSCDSFKDKLSNNEWCYCFQKPAGLPCQNMNRIQKLSKGSLLGTTLENGTVPTRLSVHQFLL
 SLWRSSWVLPPIHRQ

TRTRPLE - GFP Tag - V

Restriction Sites: AscI-MluI

Cloning Scheme:



ACCN: NM_001166465

ORF Size: 1092 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:

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_001166465.1](#), [NP_001159937.1](#)

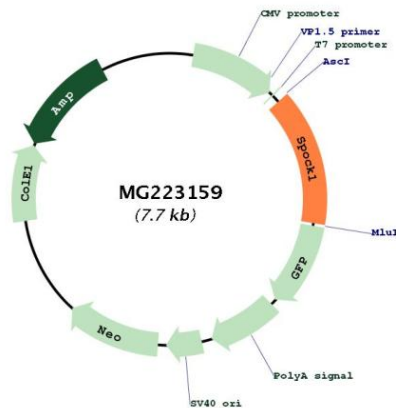
RefSeq Size: 3131 bp

RefSeq ORF: 1095 bp

Locus ID: 20745

Cytogenetics: 13 B1

Product images:



Circular map for MG223159