

Product datasheet for **RR202626**

Mocs1 (NM_001106881) Rat Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Mocs1 (NM_001106881) Rat Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Mocs1
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin



[View online »](#)

ORF Nucleotide Sequence:

>RR202626 representing NM_001106881
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGCATCGCC**

ATGGCGGCGCGGCTGCGTCCCGGATGCTGCGGCAGCTCTTGAGGTCTAATGTACGGAGCTGCAGCTCCG
 GGGCTCCGATGACGCAGCCCGCCCGGGAGCCCTCGAGACCTACCAGGGAGGGCTGTCCATGAGGCT
 CCAGTTCCTCCAGGAACATGCAGCTCCCTTCTCCGCCTTCTCACCGACAGCTTTGGCCGGCAGCACAGT
 TACCTACGGATCTCTCTCACAGAGAAGTCAACCTCCGATGTCGGTATTGCATGCCTGAGGAGGGTGTGT
 CCCTGACCCCAAAGCTGACCTACTGACCACAGAGGAGATCCTGACCCTTGCCCGCCTCTTCGTGAAGGA
 AGGTGTGGACAAAATCCGTCTCACTGGTGGGAACCTCTCATCCGACCAGATGTGGTGGACATCGTGGCC
 AGACTTCATCAGTAGAAGGGCTGAGAACCATTGGCGTTACCACCAACGGCATCAACCTAGCCCGGCTGC
 TACCCTCACTTCAGCAGGCTGGGCTCAGTGTGTGAACGTCAGCCTGGACACCCTGGTTCCTGCCAAGTT
 TGAGTTCAATTGTCGCGAGAAAAGGCTTCCACAAAGTCATGGAGGGTATCCACAAAGCCATCGAGCTGGT
 TACAAACCTGTGAAGGTAACTGTGTGGTATGCGAGGCCCTGAATGAAGACGAGCTTCTGGACTTCGTAG
 CCCTGACAGAGGGCCTTCCCTTGGACGTGCGCTTCATTGAGTACATGCCGTTTGACGGCAACAAGTGAA
 CTTCAAGAAGATGGTCAGCTACAAGGAGATGCTGGACGCCATCCGACAGCGGTGGCCAGGGCTGGAGAAG
 CTGCCAGAGGAGGACTCTAGCACTGCCAAGGCCTTAAAGATCCCGGGCTTCCAGGGACAGATCAGCTTCA
 TCACGTCATGTCAGAGCATTCTGCGGGACCTGCAACCGGCTTCGCATCACAGCTGATGGGAACCTCAA
 GGTCTGCCTCTTCGGAACTCTGAGGTGTCACTGCGGGACCACCTGCGGGCAGGGCCTCTGAGGAGGAG
 CTGCTGAGAATCATTGGGGTCCGAGTGGTAGGAAGAAGAGGCAGCACGCAGGCATGTTCAATATTGCC
 AGATGAAGAACCAGCCCATGATCCTCATCGGGTACTTTTGTGCTTCAAGATTCCCACAGCTAGTTG
 GAGCACTCTCTCCTGGGATCCCTCCACGTTCCGGAATCCAGGTGCCAAACAGTGTCTTCCGACCAGATG
 GCAACTTTGTGGAAGAGACACTGTCCCTATGGCCCTTCTCTGTCTCAGCAGTGCCTGGGATGCACAC
 GTATGGACTGCAGCCCTAAGGACCTGTGCCAATTCTACCCACACCTGGTCCGCTCGTGTGGTCTGCC
 CATACCTCTACTCTGGCACGTATCAGGGAAAGAGGAGT

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence:

>RR202626 representing NM_001106881
 Red=Cloning site Green=Tags(s)

MAARPASRMLRQLLRSNVRSCSSGAPMTQPRPGEPSRPTREGLSMRLQFLQEHAAPFSAFLTDSFGRQHS
 YLRISL TEKCNLRCRYCMEPEGVSLTPKADLLTTEEILTLARL FVKEGVDKIRL TGGEPLIRPDVVDIVA
 RLHQLEGLRTIGVTTNGINLARLLPSLQQAGLSAVNVSLDTLVPKFEFIVRRKGFHKVMEGIHKAIELG
 YKPVKVNVCVVMRGLNEDELLDFVALTEGLPLDVRFIEYMPFDGNKWNFKMVSYSKEMLDAIRQRWPLEK
 LPEEDSSTAKAFKIPGFQGISFITSMEHF CGTCNRLRITADGNLKVCLFGNSEVSLRDHLRAGASEEE
 LLRIIGVAVGRKKRQHAGMFNIAQMKNRPMILIGVLLMLQDSPPASWSTLSWDPLHVRNPGAKQCLSDQM
 ATLWKRHSVPMALPLSQQLGCTRMDCSPKDLCLLPTPGSARCLPIPLYSPTYQKRS

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

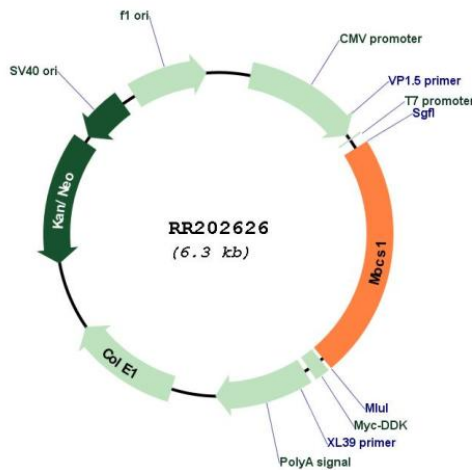
Restriction Sites:

Sgfl-MluI

Cloning Scheme:



Plasmid Map:



ACCN: NM_001106881

ORF Size: 1440 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_001106881.1](#), [NP_001100351.1](#)

RefSeq Size: 1579 bp

RefSeq ORF: 1443 bp

Locus ID: 301221

Cytogenetics: 9q12

MW: 53.6 kDa