

Product datasheet for **RR206451**

Mtss1 (NM_001130563) Rat Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Mtss1 (NM_001130563) Rat Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Mtss1
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



[View online »](#)

ORF Nucleotide Sequence:

>RR206451 representing NM_001130563
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGCATCGCC**

ATGGGCTTTGCCGTTTCCGTCATGGGCACCCCGGCCCGTGGCAGTGCAGCCGCCCGAGAGCGTGT
 CCTGTCCCGCCCGCGCCGGGAAAATGGAGGCTGTGATCGAGAAGGAATGCAGCGCTCGGAGGCCCTTT
 CCAGACCATCATCAGCGACATGAAGGGGAGCTATCCAGTTTGGGAAGACTTCATAAAACAAAGCAGGGAAG
 CTTCACTCCAGCTTCGGACAACAGTAGTAGCAGCAGCTGCCTTCTGGACGCCTTTCAGAAAGTGGCTG
 ACATGGCCACCAACACACGTGGTGGTACCCGGGAGATCGGCTCAGCGCTCACCAGAATGTGCATGCGACA
 CAGGAGCATCGAGGCCAAGCTAAGGCAGTTCTCCAGCGCTCTGATCGATTGCCTGATAAACCCACTACAA
 GAACAGATGGAGGAGTGGAAAGAAAGTGGCCAACCAGCTGGACAAGGACCACGAAAAGAATAAAGAAAG
 CTCGCCAAGAGATAAAAAAGAAGTCTCTGACACGCTGAAACTGCAGAAGAAGGCCAAAAAAGTGGACGC
 TCAGGGGAGAGGTGACATCCAGCCTCAGTTGGACAGCGCTCTCCAGGATGTCAACGATAAATATCTCCTC
 CTGGAGGAAACAGAAAAGCAGGCTGTGCGCAAAGCACTGATCGAAGAACGTGGCCGGTTCTGCACCTTCA
 TTTCTATGCTGCGGCCAGTGATTGAGGAAGAGATTTCCATGTTAGGAGAAATTACCCACCTTCAGACCAT
 ATCAGAAGATCTGAAGAGCCTGACCATGGACCCTCACAACTGCCTCCTCGAGTGAACAGGTGATTCTG
 GACTTGAAAGGTTCTGATTACAGCTGGTCTATCAGACGCCACCTTCTTCCCCAGCACAAACCATGTCCA
 GAAAGTCAAGTGTCTGCAGCAGCTGAACAGTGTCAACAGCAGTACTCCCGGTCCAGCGGTTCCCATTC
 GCATCCCCCAGCTCGCATTACCGATATCGCAGCTCAACCTGGCCAGCAGGCCCTGTGAGGCTGTCC
 AGCGTGTCTCCACGACTCAGGATTTATATCCAGGACGCCTCCAGTCCAAGTCCCCCTCTCCCATGC
 CACTGAGGCTGCCAACCAAGTTGTCTAATGGGTTTTCTACTATAGTTTATCAAGTCCCATGCACGG
 GCCCGTGGGTGCAGGCCCTTCCCTCATTGCCTGCCTCCCGCTGCCTCCCTCGGGTACCTCTATC
 CACCTTCTGACTACGCTCATTATTACACCATTGGGCCCGGCATGTTCCCGTCATCTCAGATCCCTAGCT
 GGAAGGACTGGGCAAAGCCAGGACCCTACGACCAGCCACTGGTGAACACTCTCCAGCGCCGCAAAGAGAA
 GCGCGAGGCGGACTCCAGTGGGGGAGGCCCCACGGCCACAGCAGGTCCACCTGCAGCTGTGAAGAGGCA
 CAGAGACCAGGAGCATGACCGTGTGACCCGCCCCAGGCTGGCGAGGATATGGAGGCTGTGATGAAC
 TGGCCCTCGCCCTGTACGGGGCTCCAGCTGGACGCGCAGAGGAGCAGCCGGGACTCACTACAGTGCTC
 CAGCGGCTATAGCACCCAGACCACCACCCGCTGCTGCTCGGAGGATACCATCCCCTCCCAAGTTTCAGAT
 TACGATATTTCTGTAAAGTGGTGACCAGGAGCAGAGCAGGAATTTGACAAGTCTCCACCATTCC
 CAAGGAACAGTGACATCAGCCAGTCTTACAGGCGGATGTTCCAAGCCAAGCGTCCGGCCTAACGGCTGG
 CCTTCCCAACACTCTTGACCTGCTATGGTACACCAGGGGTTGCGACCATCCGAAGGACCCCTCCACC
 AAGCCTTCTGTTGCGCGGGGACCATTTGGAGCTGGTCTATTCTATCAAGACACCAGTGTCCCTGTCA
 AAACCCCAACTGTCCAGACCTCCCTGGGGTTTTGCCATCCCCTCCAGATGGGCCAGAGGAGAGGGGTGA
 GCACAGCCCTGAGTCTCCATCTGTGGGGGAGGGACCCAGGGTGTGAGCAATATACCCTTCTCTGTGG
 AGTGGCCATGCGCCGATCAACCTCCACTTCCAGGCCAAAGCCAGTATACCTGAGGAGCACAGACAAG
 CAATTCAGAGAGCGAGGCTGAAGACCAGGAAAGAGACCCCTCAAGCACCAGTGTCTCCCCAGGCCGATC
 CCAGAGAGTGACCCAGCAGACCTGAGCCCAAGGAAAGCCCTCAGGGAGAAGACATGCTGAACGCCATC
 CGGAGGGGAGTGAAGCTGAAGAAGACGACCACCAACGATCGCTCAGCCCTCGCTTCTCT

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence: >RR206451 representing NM_001130563
 Red=Cloning site Green=Tags(s)

MGFAVSVMGTPRPRAQCSRPEVSVCPRRAGKMEAVIEKECSALGGLFQTIISDMKGSYPVWEDFINKAGK
 LQSQLRTTVVAAAAFLDAFQKVADMATNTRGGTREIGSALTRMCMRHRHSIEAKLRQFSSALIDCLINPLQ
 EQMEEWKVANQLDKDHAKEYKKARQEIKKSSDTLKLQKKAKKVDAQGRGDIQPQLDSALQDVNDKYLL
 LEETEKQAVRKALIEERGRFCTFISMLRPVIEEESI SMLGEITHLQTI SEDLKSLTMDPHKLPSSSEQVIL
 DLKGSYDYSWYQTPSSPSTTMSRKSSVCSLNSVNSSDSRSSGSHSHSPSSHYRSSLNAQQAPVRLS
 SVSSHDSGFISQDAFQSKSPSPMPPEAANQLSNGFSHYLSSESHAGPVGAGPFPFHCLPASRLLPRVTSI
 HLPDYAHYYTIGPGMFPSSQIPSWKDWAKPGPYDQPLVNTLQRRKEKREADSSGGGPTATAGPPAAEEEA
 QRPRSMVSAAPRPGEDMEACDELALALSRGLQLDAQRSSRDSLQCSSGYSTQTTTPCCSEDTIPSQVSD
 YDYF SVSGDQAEQQEFDKSSITPRNSDISQSYRRMFQAKRPASTAGLPTTLGPAMVTPGVATIRRPST
 KPSVRRGTIGAGPIPIKTPVIPVKTPTPDLPGVLPSPDPGPEERGEHSPESPSVGEQVGSNIPSSWL
 SGHAPINPPLPGPKPSIPEEHRQAIPSEAEQDERDPSSTSVSPGPIPESDPADLSPRESPQGEDMLNAI
 RRGVKKLKKTTTNDRSAPRFS

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites:

SgfI-MluI

Cloning Scheme:



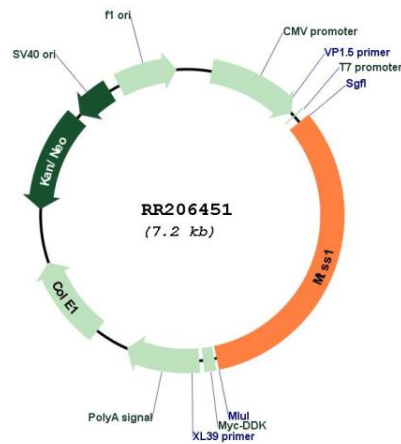
ACCN: NM_001130563

ORF Size: 2370 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:	<u>NM_001130563.1, NP_001124035.1</u>
RefSeq Size:	4691 bp
RefSeq ORF:	2373 bp
Locus ID:	362918
Cytogenetics:	7q33
MW:	85.8 kDa

Product images:


Circular map for RR206451