

## Product datasheet for **MR210506**

### **Mtss1 (NM\_144800) Mouse Tagged ORF Clone**

#### **Product data:**

Product Type:	Expression Plasmids
Product Name:	Mtss1 (NM_144800) Mouse Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Mtss1
Synonyms:	2310003N14Rik; BC024131; D130001D01Rik; Mim; mKIAA0429
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



[View online »](#)

**ORF Nucleotide Sequence:**

>MR210506 representing NM\_144800  
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
 GCC**CGCATCGCC**

ATGGAGGCTGTGATCGAGAAGGAATGCAGCGCGCTTGGAGGCCTCTTCCAGACCATCATCAGCGACATGA  
 AGGGGAGCTATCCAGTTTGGGAAGACTTATAAACAAAGCCGAAAGCTACAGTCCAGCTGCGGACAAC  
 AGTAGTAGCAGCAGCTGCCTTCTTGAGCGCTTTCAGAAAAGTGGCTGACATGGCCACCAACACACGTGGT  
 GGTACCCGGGAGATCGGCTCAGCTCTACCAGAAATGTGCATGCGGCACCGGAGCATCGAGGCCAAGCTGA  
 GGCAGTTCTCCAGTGCTTTGATCGATTGCCTGATAAACCCACTGCAAGAACAATGGAGGAATGGAAGAA  
 AGTGGCCAACCAGCTGGACAAGGACCACGAAAAGAATAAAGAAAGCTCGACAAGAGATAAAAAAGAAG  
 TCCTCTGACACGCTGAAGCTGCAGAAGAAGGCAAAAAAAGTGGACGCTCAGGGGAGGGGCGACATCCAGC  
 CTCAGTTGGACAGCGCTCTCCAGGATGTCAACGATAAATACCTCCTGTTGGAGGAAACGGAGAAGCAGGC  
 TGTGCGCAAGGCACTCATCGAAGAACGAGGCCGGTTCTGCACCTTCATCTCTATGCTGCGGCCAGTGATC  
 GAGGAAGAGATTTCCATGTTAGGAGAGATTACCCACCTTCAGACCATATCGGAGGATCTGAAGAGCCTGA  
 CCATGGACCTCACAAAGCTGCCCTCCTCAAGTGAACAGGTGATTTTGGACTTGAAAGGTTCTGACTATAG  
 TTGGTCTATCAGACGCCTCCTTCTTCTCCAGTACAACATATGTCCAGAAAGTCAAGTGTCTGCAGCAGC  
 CTGAACAGCGTCAACAGCAGTGAATCCCGGTCCAGTGGCTCCCACTCGCACTCGCCAGCTCGCATTACC  
 GGTACCGCAGCTCAACCTGGCCAGCAGGCCCGCTGAGGCTGTCCAGCGTGTCTCCACGACTCAGG  
 ATTCATATCCCAGGACGCCTTCCAGTCCAAGTCAACCTCTCCATGCCACCTGAAGCTGCCAACCAAGTTG  
 TCTAATGGGTTTTCTCACTGTAGTTTATCAAGTGAAGTCCCATGCAGGGCCCGTGGGTGCAGGCCCTTCC  
 CTCATTGCCTGCCTGCCCTCCCGCTGCTCCCTCGGGTCACTCTGTCCACCTTCTGACTACGCTCATT  
 TTACACCATTGGGCCCGCATGTTCCCGTCATCTCAGATCCCTAGCTGGAAGGACTGGGCAAGCCAGGA  
 CCCTATGACCAGCCACTGGTGAACACCCTCCAGCGCCGCAAGAGAAAAGTGAAGCCAGACTTAATGGGG  
 GAGGACCCACTACGACAGGAGGGCCACCTGCAGGTGCTGAAGAGGCGCAGAGACCAAGGAGCATGACGGT  
 GTCAGCTGCCACCAGGCCTGGTGAAGGAGATGGCGGCTGTGAGGAACTGACACTCGCCCTGTCCCGGGC  
 CTCAGCTGGACGTGCAGAGGAGCAGCCGGGACTCACTACAGTGTCCAGCGGCTACAGCACCCAGACCA  
 CCACCCCGTGTCTCTGAGGATACCATCCCTCCCAAGTTTTCAGATTACGATTATTTCTCTGTAAGTGG  
 CGACCAGGAGGCAGAGCAGCAAGAATTCGACAAGTCTCCACCATTCCAAGGAACAGTGACATCAGCCAG  
 TCTTACAGGCGGATGTTCCAAGCCAAGCGTCCAGCCTCAACGGCTGGCCTACCCACCACTCTCGGACCTG  
 CTATGGTCAACACAGGGGTGGCGACCATCCGACGACCCCTTCCACCAAGCCTTCTGTCCGCCGGGGAC  
 CATCGGAGCTGGTCTATTCCCATCAAGACACCAGTGATCCCTGTCAAAACCCCAACTGTCCAGACCTC  
 CCTGGGGTTTTGCCATCCCTCCAGATGGGCCAGAGGAGCGGGGTGAGCACAGCCCGAGTCTCCATCTG  
 CAGGGGAGGGGCCAGGGTGTGAGCAATATACCTCTTCTTGTGGAGTGGCCAAGCACCCGTCACCC  
 TCCACTTCCAGGCCAAAGCCAGTATCCCTGAGGAACACAGACAGGCGATTCCAGAGAGCGAGGCTGAA  
 GACCAGGAAAGGGACCCCAAGTGCCTGTCTCCAGGCCGATTCCAGAGAGTGACCCCGCAGACC  
 TGAGCCCCAGAGAAAGTCTCAGGGAGAAGACATGTTGAACGCCATCCGGAGGGCGTGAAGCTGAAGAA  
 GACGACCACCAACGATCGCTCAGCACCGCGCTTCTCT

**ACGCGT**ACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
 ACAAGGATGACGACGATAAGGTTTAA

**Protein Sequence:** >MR210506 representing NM\_144800  
 Red=Cloning site Green=Tags(s)

```
MEAVIEKECSALGGLFQTIISDMKGSYPVWEDFINKAGKLSQLRRTTVAAAAFLDAFQKVADMATNTRG
GTREIGSALTRMCMRHRHSIEAKLRQFSSALIDCLINPLQEQMEEWKVANQLDKDHAKEYKARQEIKKK
SSDTLKLQKAKKVDAQGRGDIQPQLDSALQDVNDKYLLLEETEKQAVRKALIEERGRFCTFISMLRPVI
EEEISMLGEITHLQTIISEDLSLMDPHKLPSSSEQVILDKGSYDYSWSYQTPPSSPSTMSRKSSVCSS
LNSVNSSDSRSSGSHSHSPSSHYRSSLNAQQAPVRLSSVSHDSGFI SQDAFQSKSPSPMPPEANQL
SNGFSHCSLSSESHAGPVGAGPFPHCLPASRLLPRVTSVHLPDYAHYYTIGPGMFPSSQIPSWKDWAKPG
PYDQPLVNTLQRRKEKREPDSNGGGPTTTGGPPAGAEAAQRPRSMVSAATRPGEEMAACEELTLALSRG
LQLDVQRSSRDSLQCSSGYSTQTTTPCCSEDTIPSVSDYDYFVSGDQEAQQEFDKSSITPRNSDISQ
SYRRMFQAKRPASTAGLPTTLGPAMVTPGVATIRRTPTKPSVRRGTIGAGPIPIKTPVIPVKTPTVPDL
PGVLPSPDPGPEERGEHSPESPSAGEGPQGVSNIPSSLSWGQAPVNPPLPGPKPSIPEEHRQAIPESEAE
DQERDPPSATVSPGPIPESDPADLSPRESPQGEDMLNAIRRGVCLKKTTTNDRSAPRFS
```

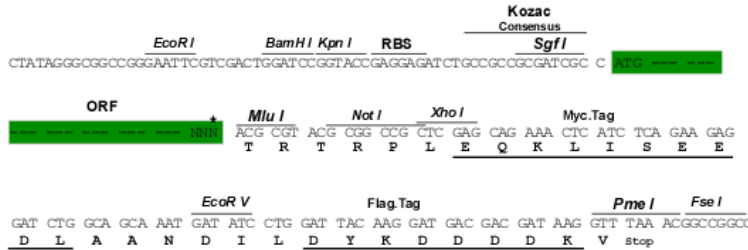
TRTRPLEQKLISEEDLAANDILDYKDDDDKV

**Chromatograms:** [https://cdn.origene.com/chromatograms/mm9037\\_b09.zip](https://cdn.origene.com/chromatograms/mm9037_b09.zip)

**Restriction Sites:** SgfI-MluI

**Cloning Scheme:**

Cloning sites used for ORF Shuttling:



\* The last codon before the Stop codon of the ORF

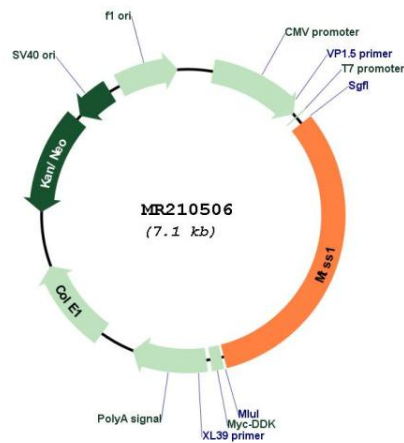
**ACCN:** NM\_144800

**ORF Size:** 2277 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.

<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>	<u><a href="#">NM_144800.2</a></u> , <u><a href="#">NP_659049.2</a></u>
<b>RefSeq Size:</b>	4975 bp
<b>RefSeq ORF:</b>	2280 bp
<b>Locus ID:</b>	211401
<b>UniProt ID:</b>	<u><a href="#">Q8R1S4</a></u>
<b>Cytogenetics:</b>	15 D1
<b>MW:</b>	82.9 kDa
<b>Gene Summary:</b>	Inhibits the nucleation of actin filaments in vitro.[UniProtKB/Swiss-Prot Function]

**Product images:**


Circular map for MR210506