

## Product datasheet for **RG239504**

### MTSS1 (NM\_001282971) Human Tagged ORF Clone

#### Product data:

|                           |   |
|---------------------------|---|
| Product Type:             | Expression Plasmids                         |
| Product Name:             | MTSS1 (NM_001282971) Human Tagged ORF Clone |
| Tag:                      | TurboGFP                                    |
| Symbol:                   | MTSS1                                       |
| Synonyms:                 | MIM; MIMA; MIMB                             |
| Mammalian Cell Selection: | Neomycin                                    |
| Vector:                   | pCMV6-AC-GFP (PS100010)                     |
| E. coli Selection:        | Ampicillin (100 ug/mL)                      |



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**ORF Nucleotide Sequence:**

>RG239504 representing NM\_001282971.  
 Blue=ORF Red=Cloning site Green=Tag(s)

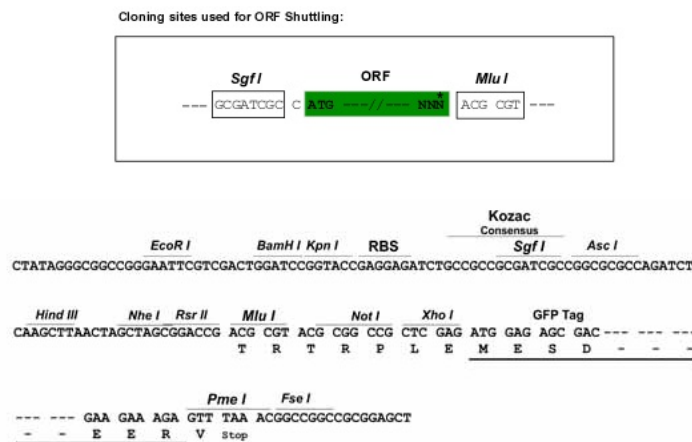
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GCCCTGGCCCTGTCTCGGGGCTGCAGCTGGACACCCAGAGGAGCAGCCGGGACTCGCTTCAAGTGTCC
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AACGCCATCCGAAGGGGCGTGAACCTGAAGAAGACCAGCAAAACGATCGCTCAGCCCTCGCTTTTCT
ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAAAC
```

**Protein Sequence:** >Peptide sequence encoded by RG239504  
 Blue=ORF Red=Cloning site Green=Tag(s)

MEAVIEKECSALGGLFQTIISDMKGSYPVWEDFINKAGKLSQLRRTTVAAAAFLDAFQKVADMATNTR  
 GGTREIGSALTRMCMRHRSEIAKLRQFSSALIDCLINPLQEQMEEWKKVANQLDKDHAKEYKKARQEI  
 KKSSDCLKLQKKAKKVDLGRGDIQPQLDSALQDVNDKYLLLEETEQA VRKALIEERGRFCTFISMLR  
 PVIEEEI SMLGEI THLQTI SEDL KSL TMDPHKLPSSSEQVILDLKGDYSWSYQTPPSSPSTTMSRKSS  
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 ALALSRGLQLDTRSSRSLQCSSGYSTQTTTPCCSEDTIPSQVSDYDYFVSGDQEQEFDKSSTI  
 PRNSDISQSYRRMFQAKRPASTAGLPTTLGPAMVTPGVATIRRT PSTKPSVRRGTIGAGPIKIPVIP  
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 TRTRPLEMESDESGLPAMEIECRITGTLNGVEFELVGGGEGTPEQGRMTNKMKSTKGALTFSPYLLSHV  
 MGYGFYHFGTYPSGYENPFLHAINNGGYTNRIEKYEDGGVLHVFSYRYEAGRVIGDFKVMGTGFPE  
 SVIFTDKIIRSNATVEHLHPMGDNDLDGSFTRTFLRDGGYSSVVD SHMHFKSAIHPSILQNGGPMFA  
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**Restriction Sites:** SgfI-MluI

**Cloning Scheme:**



**ACCN:** NM\_001282971

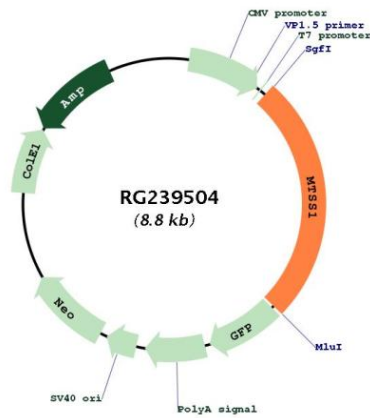
**ORF Size:** 2277 bp

**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>RefSeq:</b>           | <u>NM_001282971.1, NP_001269900.1</u>  |
| <b>RefSeq Size:</b>      | 5066 bp  |
| <b>RefSeq ORF:</b>       | 2280 bp  |
| <b>Locus ID:</b>         | 9788   |
| <b>UniProt ID:</b>       | <u>O43312</u>  |
| <b>Cytogenetics:</b>     | 8q24.13  |
| <b>Protein Families:</b> | Druggable Genome   |
| <b>MW:</b>               | 83.1 kDa   |
| <b>Gene Summary:</b>     | May be related to cancer progression or tumor metastasis in a variety of organ sites, most likely through an interaction with the actin cytoskeleton.[UniProtKB/Swiss-Prot Function] |

**Product images:**



Circular map for RG239504