

Product datasheet for **RG239432**

MTSS1 (NM_001282974) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	MTSS1 (NM_001282974) 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:

>RG239432 representing NM_001282974.
 Blue=ORF Red=Cloning site Green=Tag(s)

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GCTCGTTTAGTGAACCGTCAGAATTTTGTAAACGACTCACTATAGGGCGGCCGGGAATTCGTGACTG
GATCCGGTACCGAGGAGATCTGCCGCCCGCATCGCC
ATGGAGGCTGTGATTGAGAAGGAATGCAGCGCGCTCGGAGGCCTCTTCCAGACCATCATCAGCGACATG
AAGGGGAGCTATCCAGTTTGGGAAGATTCATAAAACAAAGCAGGAAAGCTGCAGTCCCAGCTTCGGACA
ACAGTAGTAGCAGCAGCTGCCTTCTTGGACGCCTTTCAGAAAGTGGCTGACATGGCCACCAACACACGT
GGTGGGACCAGGAGATTGGATCTGCTCTCACCAGGATGTGCATGAGGCACAGAAGCATTGAAGCCAAG
CTGAGGCAGTTTTTCGAGCGCTTTAATTGATTGTCTGATAAACCCACTTCAAGAACAGATGGAAGAATGG
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CGGAAGGCTTTGATTGAAGAACGTGGCCGATTCTGTACCTTCATCTCTATGCTGCGGCCAGTGATTGAA
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GACCCTGCAGACCTGAGCCCAAGGGATACTCCACAAGGAGAAGACATGCTGAACGCCATCCGAAGGGG
GTGAAACTGAAGAAGACCACGACAAACGATCGCTCAGCCCTCGCTTTTCT
ACCGGTACGCGGCCGCTCGAG - GFP Tag - GTTTAAAC
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Protein Sequence: >Peptide sequence encoded by RG239432
 Blue=ORF Red=Cloning site Green=Tag(s)

MEAVIEKECSALGGLFQTIISDMKGSYPVWEDFINKAGKLSQLRRTTVAAAAFLDAFQKVADMATNTR
 GGTREIGSALTRMCMRHRSEIAKLRQFSSALIDCLINPLQEQMEEWKKVANQLDKDHAKYKARQEIK
 KKSSDTLKLQKKAKKGRGDIQPQLDSALQDVNDKYLLEETEKQAVRKALIEERGRFCTFISMLRPVIE
 EEISMLGEITHLQTIISEDLKSLTMDPHKLPSSSEQVILDLKGSYDYSWSYQTPPSSPSTTMSRKSSVCS
 LNSVNSSDRSSGSHSPSSHRYRSSLNAQQAPVRLSSVSSHDSGFI SQDAFQSKSPSPMPPEAPNQ
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 GGPTTASGPPAAAEAAQRPRSMVSAATRPGEEEMACEELALALSRGLQDTRSSRSLQCSSGYSTQ
 TTTCCSEDTIPSQVSDYDFVSGDQEAQQEFDKSSTIPRNSDISQSYRRMFQAKRPASTAGLPTTL
 GPAMVTPGVATIRRTPTKPSVRRGTIGAGPIIKTPVIPVKTPVDPDLPVLPAPPDGPPEERGEHSP
 SPSVGGEPQGVTSMPSSMWSGQASVNPPLPGPKPSIPEEHRQAIPESEAEDQEREPPSATVSPGQIPES
 DPADLSPRDTPQGEDMLNAIRRGVKKLTKTTNDRSAPRFS
 TRTRPLEMESDESGLPAMEIECRITGTLNGVEFELVGGGEGTPEQGRMTNKMKSTKGALTFSPYLLSHV
 MGYGFYHFGTYPSTYENPFLHAINNGGYNTRIEKYEDGGVLHVFSYRYEAGRVIGDFKVMGTGFPE
 SVIFTDKIIRSNAVEHLHPMGDNDLDGSFTRTFLRDGGYSSVVDSHMHFKSAIHPSILQNGGPMFA
 FRRVEEDHSNTELGIVEYQHAFKTPDADAGEERV

Restriction Sites: SgfI-MluI

Cloning Scheme:



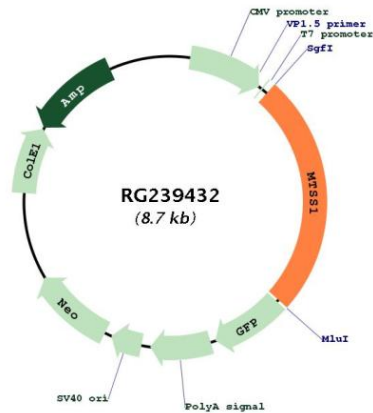
ACCN: NM_001282974

ORF Size: 2190 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).
RefSeq:	<u>NM_001282974.1</u> , <u>NP_001269903.1</u>
RefSeq Size:	4979 bp
RefSeq ORF:	2193 bp
Locus ID:	9788
UniProt ID:	<u>O43312</u>
Cytogenetics:	8q24.13
Protein Families:	Druggable Genome
MW:	79.6 kDa
Gene Summary:	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 RG239432