

## Product datasheet for **RG215992**

### MSI1 (NM\_002442) Human Tagged ORF Clone

#### Product data:

**Product Type:** Expression Plasmids  
**Product Name:** MSI1 (NM\_002442) Human Tagged ORF Clone  
**Tag:** TurboGFP  
**Symbol:** MSI1  
**Mammalian Cell Selection:** Neomycin  
**Vector:** pCMV6-AC-GFP (PS100010)  
**E. coli Selection:** Ampicillin (100 ug/mL)  
**ORF Nucleotide Sequence:** >RG215992 representing NM\_002442  
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
GCC**CGATCGCC**

ATGGAGACTGACGCGCCCCAGCCCGCCTCGCCTCCCCGGACTCGCCGCACGACCCCTGCAAGATGTTCA  
TCGGGGGACTCAGTTGGCAGACTACGCAGGAAGGGCTGCGCGAATACTTCGGCCAGTTCGGGGAGGTGAA  
GGAGTGTCTGGTGATGCGGGACCCCTGACCAAGAGATCCAGGGGTTTCGGCTTCGTCACATTTATGGAC  
CAGGCGGGGTGGATAAAGTGCTGGCGCAATCGCGGCACGAGCTCGACTCCAAAACAATTGACCCTAAGC  
TGGCCTTCCCTCGCGGAGCACAGCCCAAGATGGTGACTCGAACGAAGAAGATCTTTGTGGGGGGCTGTC  
GGTGAACACCACGGTGGAGGACGTGAAGCAATATTTGAGCAGTTTGGGAAGGTGGACGACGCCATGCTG  
ATGTTTGACAAAACCAACCGGCACCGAGGGTTCGGGTTTGTACGTTTGTAGAGTGAGGACATCGTGG  
AGAAAGTGTGAAATTCATTTTCATGAAATCAACAACAAAATGGTGGAATGTAAGAAAGCTCAGCCAAA  
GGAGGTGATGTCGCAACGGGCTCAGCCCGGGGAGGTCTCGAGTCATGCCCTACGGAATGGACGCCCTTC  
ATGCTGGGCATCGGCATGCTGGTTACCCAGGTTTCCAAGCCACAACCTACGCCAGCCGGAGTTATACAG  
GCCTCGCCCTGGCTACACCTACCAGTTCGCCAATTCGTGTAGAGCGGACCCCTCTCCGAGCGCCCC  
AGTCTCCCCGAGCTTACAGCCATTCCTCTCACTGCCTACGGACCAATGGCGCGGCAGCGCGGCAGCG  
GCTGTGGTTCGAGGGACAGGCTCTACCCCTGGACGATGGCTCCCCTCCAGGTTTCGACTCCAGCCGCA  
CAGGGGGCTTCTGGGGACCACAGCCCGGCCCATGGCCGAGCTCTACGGGGCGGCCAACAGGACTC  
GGGGTACAGAGTTACATCAGCGCCGACCCCTGCCCCAGCACCGGCTTCGGCCACAGTCTTGGGGG  
CCTTTGATTGCCACAGCCTTACCAATGGGTACCAC

**ACGCGT**ACGCGGGCCGCTCGAG - GFP Tag - GTTTAA



[View online »](#)

**Protein Sequence:** >RG215992 representing NM\_002442  
Red=Cloning site Green=Tags(s)

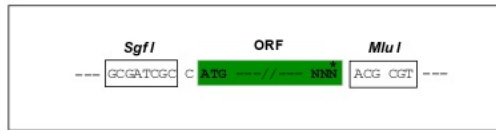
METDAPQPGLASPDSPHDPCMKFIGGLSWQTTQEGLREYFGQFGEVKECLVMRDPLTKRSRFGFVTFMD  
 QAGVDKVLQSRHELDKSIDPKVAFPRRAQPKMVRTKKIFVGGLSVNTTVEDVKQYFEQFGKVDAML  
 MFDKTTNRHRGFGFVTFESEDIVEKVCEIHFHEINNKMVECKKAQPKVMSPTGSARGRSRVMPYGMADF  
 MLGIGMLGYPGFQATTYASRSYTGAPGYTYQFPEFRVERTPLPSAPVLPeltaIPLTAYGPMAAAAAAA  
 AVVRGTGSHPWMTAPPPGSTPSRTGGFLGTTSPGPMAELYGAANQDSGVSSYISAASPAPSTGFHSLGG  
 PLIATAFTNGYH

TRTRPLE - GFP Tag - V

**Restriction Sites:** SgfI-MluI

**Cloning Scheme:**

Cloning sites used for ORF Shuttling:



**ACCN:** NM\_002442

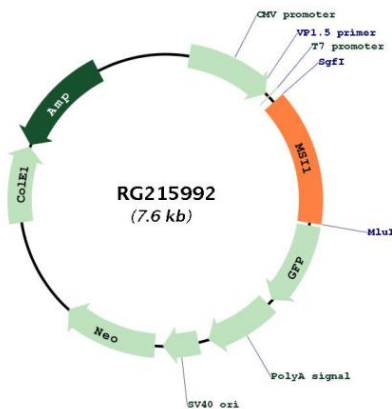
**ORF Size:** 1086 bp

**OTI Disclaimer:** Due to the inherent nature of this plasmid, standard methods to replicate additional amounts of DNA in E. coli are highly likely to result in mutations and/or rearrangements. Therefore, OriGene does not guarantee the capability to replicate this plasmid DNA. Additional amounts of DNA can be purchased from OriGene with batch-specific, full-sequence verification at a reduced cost. Please contact our customer care team at [custsupport@origene.com](mailto:custsupport@origene.com) or by calling 301.340.3188 option 3 for pricing and delivery.

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](#)

<b>OTI Annotation:</b>	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>	<a href="#">NM_002442.4</a>
<b>RefSeq Size:</b>	2950 bp
<b>RefSeq ORF:</b>	1089 bp
<b>Locus ID:</b>	4440
<b>UniProt ID:</b>	<a href="#">O43347</a>
<b>Cytogenetics:</b>	12q24.31
<b>Gene Summary:</b>	This gene encodes a protein containing two conserved tandem RNA recognition motifs. Similar proteins in other species function as RNA-binding proteins and play central roles in posttranscriptional gene regulation. Expression of this gene has been correlated with the grade of the malignancy and proliferative activity in gliomas and melanomas. A pseudogene for this gene is located on chromosome 11q13. [provided by RefSeq, Jul 2008]

**Product images:**



Circular map for RG215992