

Product datasheet for SC303202

MSI1 (NM_002442) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	MSI1 (NM_002442) Human Untagged Clone
Tag:	Tag Free
Symbol:	MSI1
Mammalian Cell Selection:	None
Vector:	<u>pCMV6-XL5</u>
E. coli Selection:	Ampicillin (100 ug/mL)
Fully Sequenced ORF:	>OriGene sequence for NM_002442 edited CGCGCCCGCGGCTCCCGATGGAGACTGACGCGCCCGAGCCCGGCTCGCCTCCCCGGAC TCGCCGACGACCCCTGCAAGATGTTTCATCGGGGACTCAGTTGGCAGACTACGCAGGAA GGGCTGCGCGAATACTTCGGCCAGTTCGGGGAGGTGAAGGAGTGTCTGGTGATGCGGGAC CCCCTGACCAAGAGATCCAGGGTTTCGGCTTCGTCACATTCATGGACCAGGCGGGGGTG GATAAAGTGCTGGCGCAATCGCGGCACGAGCTCGACTCCAAAACAATTGACCCTAAGGTG GCCTTCCCTCGGCGAGCACAGCCCAAGATGGTGACTCGAACGAAGAAGATCTTTGTGGGG GGGCTGTGCGTGAACACCACGGTGGAGGACGTGAAGCAATATTTTGAGCAGTTTGGGAAG GTGGACGACGCCATGCTGATGTTTGACAAAACCAACCGGCACCGAGGGTTTCGGGTTT GTCACGTTTGAGAGTGAGGACATCGTGGAGAAAAGTGTGTGAAATTCATTTTCATGAAATC AACACAAAAATGGTGAATGTAAGAAAAGCTCAGCCAAAGGAGGTGATGTCGCCAACGGGC TCAGCCCGGGGAGGTCTCGAGTCATGCCCTACGGAATGGACGCCTTCATGCTGGGCATC GGCATGCTGGGTTACCCAGGTTTCCAAGCCACAACCTACGCCAGCCGGAGTTATACAGGC CTCGCCCCTGCTACACCTACCAGTTCCCCGAATTCGTTGATAGCGGACCCCTCTCCCG AGCGCCCCAGTCTCCCCGAGCTTACAGCCATTCTCTACTGCCTACGGACCAATGGCG GCGGCAGCGGGCAGCGGCTGTGGTTCGAGGGACAGGCTCTACCCCTGGACGATGGCT CCCCCTCAGGTTGACTCCCAGCCGACAGGGGGCTTCTGGGGACCACCAGCCCCGGC CCCATGGCCGAGCTCTACGGGGCGCCAACCAGGACTCGGGGTCAGCAGTTACATCAGC GCCGCCAGCCCTGCCCCAGCACCGGCTTCGGCCACAGTCTTGGGGGCCCTTTGATTGCC ACAGCCTTACCAATGGGTACCCTGAAG
Restriction Sites:	Please inquire
ACCN:	NM_002442
Insert Size:	1100 bp



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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 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](#)

OTI Annotation: The ORF of this clone has been fully sequenced and found to be a perfect match to NM_002442.2.

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:

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: [NM_002442.2](#), [NP_002433.1](#)

RefSeq Size: 2950 bp

RefSeq ORF: 1089 bp

Locus ID: 4440

UniProt ID: [O43347](#)

Cytogenetics: 12q24.31

Gene Summary: 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]