

## Product datasheet for **RN208362**

### Msi1 (NM\_148890) Rat Untagged Clone

#### Product data:

**Product Type:** Expression Plasmids  
**Product Name:** Msi1 (NM\_148890) Rat Untagged Clone  
**Tag:** Tag Free  
**Symbol:** Msi1  
**Synonyms:** Msi1h  
**Vector:** pCMV6-Entry (PS100001)  
**E. coli Selection:** Kanamycin (25 ug/mL)  
**Cell Selection:** Neomycin  
**Fully Sequenced ORF:** >RN208362 representing NM\_148890  
Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
GCC**CGGATCGCC**

ATGGAGACTGACGCGCCCGAGCCCGCCTCGCCTCCCGGACTCGCCGCAGACCCCTGCAAGATGTTCA  
TCGGAGGACTCAGTTGGCAGACCACGCAGGAAGGGCTGCGCGAATACTTCGGCCAGTTCCGGGAGGTGAA  
AGAGTGTCTGGTATGCGGGACCCCTGACAAAAGATCCAGGGTTTCGGCTTCGTCACTTTCATGGAC  
CAGGCGGGGGTGGATAAAGTGTGGCGCAATCTCGGCACGAGCTCGACTCCAAAACAATTGACCCCAAGG  
TGGCCTTCTCGGAGAGCACAGCCTAAGATGGTCACTCGAACTAAGAAGATCTTTGTGGGGGGCTGTC  
TGTGAACACCACGGTGGAGGACGTGAAGCACTATTTTGTGAGCAGTTCGAAAGGTGGATGATGCCATGCTG  
ATGTTGACAAAACCAACAGGCACAGAGGGTTCGGGTTTGTACGTTTCGAGAGTGAGGACATCGTAG  
AGAAAGTGTGAGATCCACTTCCATGAAATCAACAACAAAATGGTGAATGCAAGAAAGCTCAGCCAAA  
GGAGGTGATGTCCCGACAGGCTCAGCCCGGGCCGGTCTCGAGTCATGCCCTACGGGATGGACGCCCTC  
ATGCTGGGTATTGGCATGTTAGGTTACCCAGGGTCCAAGCCACGACCTACGCCAGCCGGAGTTACACAG  
GCCTTGCCCTGGTTACACCTACCAGTTCGCCGAATTCGGTGTAGAGCGGACCCCTCCTCCGAGCGCCCC  
AGTCCTCCCCGAGCTTACAGCCATCCCTCTCACTGCTTATGGTCCGATGGCAGCGCGGGCCGACGGCG  
GCTGTAGTCCGAGGGACAGGCTCTACCCCTGGACGATGGCTCCCCCTCCAGTTCTACTCCAGCCGCA  
CAGGGGGCTTCTGGGACCACAAGCCCGGCCCATGGCTGAGCTCTATGGGGCAGCCAACCAGGACTC  
GGGGGTACGAGTTACATCAGCGCCGCCAGCCCGCCCCAGCACTGGTTTTGGCCACAGTCTTGGGGGT  
CCCTTGATTGCGACAGCCTTACCAATGGGTACCAC**TGA**

**ACGCGT**ACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
ACAAGGATGACGACGATAAGGTTTAA

**Restriction Sites:** SgfI-MluI  
**ACCN:** NM\_148890



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<b>Insert Size:</b>	1089 bp
<b>OTI Disclaimer:</b>	Our molecular clone sequence data has been matched to the reference identifier above as a point of reference. Note that the complete sequence of our molecular clones may differ from the sequence published for this corresponding reference, e.g., by representing an alternative RNA splicing form or single nucleotide polymorphism (SNP).
<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>NM_148890.1, NP_683688.1</u>
<b>RefSeq Size:</b>	1089 bp
<b>RefSeq ORF:</b>	1089 bp
<b>Locus ID:</b>	259272
<b>UniProt ID:</b>	<u>Q8K3P4</u>
<b>Cytogenetics:</b>	12q16
<b>Gene Summary:</b>	RNA binding protein; displays increased expression in reactive astrocytes and in the subgranular zone (SGZ) of the hippocampal dentate gyrus after ischemia [RGD, Feb 2006]