

Product datasheet for **RR208362**

Msi1 (NM_148890) Rat Tagged ORF Clone

Product data:

Product Type: Expression Plasmids
Product Name: Msi1 (NM_148890) Rat Tagged ORF Clone
Tag: Myc-DDK
Symbol: Msi1
Synonyms: Msi1h
Vector: pCMV6-Entry (PS100001)
E. coli Selection: Kanamycin (25 ug/mL)
Cell Selection: Neomycin
ORF Nucleotide Sequence: >RR208362 representing NM_148890
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGGATCGCC**

**ATGGAGACTGACGCGCCCGACCCGGCCTCGCCTCCCCGGACTCGCCGCACGACCCCTGCAAGATGTTCA
TCGGAGGACTCAGTTGGCAGACCACGCAGGAAGGGCTGCGCGAATACTTCGGCCAGTTCCGGGAGGTGAA
AGAGTGTCTGGTATGCGGGACCCCTGACAAAAGATCCAGGGTTTCGGCTTCGTCACTTTCATGGAC
CAGGCGGGGGTGGATAAAGTGTGGCGCAATCTCGGCACGAGCTCGACTCCAAAACAATTGACCCCAAGG
TGGCCTTCTCGGAGAGCACAGCCTAAGATGGTCACTCGAACTAAGAAGATCTTTGTTGGGGGGCTGTC
TGTGAACACCACGGTGGAGGACGTGAAGCACTATTTTGTGAGCAGTTCGAAAGGTGGATGATGCCATGCTG
ATGTTTCGACAAAACCAACAGGCACAGAGGGTTTCGGGTTTGTACGTTTCGAGAGTGAGGACATCGTAG
AGAAAGTGTGAGATCCACTTCCATGAAATCAACAACAAAATGGTGAATGCAAGAAAGCTCAGCCAAA
GGAGGTGATGTCCCGACAGGCTCAGCCCGGGCCGGTCTCGAGTCATGCCCTACGGGATGGACGCCCTTC
ATGCTGGGTATTGGCATGTTAGGTTACCCAGGGTTCCAAGCCACGACCTACGCCAGCCGGAGTTACACAG
GCCTTGCCCTGGTTACACCTACCAGTTCGCCGAATTCGGTGTAGAGCGGACCCCTCTCCGAGCGCCCC
AGTCCTCCCCGAGCTTACAGCCATCCCTCTCACTGCTTATGGTCCGATGGCAGCGCGGGCCGACGCGCG
GCTGTAGTCCGAGGGACAGGCTCTACCCCTGGACGATGGCTCCCCCTCCAGTTCTACTCCAGCCGCA
CAGGGGGTTCCTGGGGACCACAAGCCCGGCCCATGGCTGAGCTCTATGGGGCAGCCAACCAGGACTC
GGGGGTACGAGTTACATCAGCGCCGCCAGCCCGCCCCAGCACTGGTTTTGGCCACAGTCTTGGGGGT
CCCTTGATTGCGACAGCCTTACCAATGGGTACCAC**

**ACGCGTACGCGGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA**



Protein Sequence: >RR208362 representing NM_148890
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METDAPQPLASPDSPHDPCKMFIGGLSWQTTQEGLREYFGQFGEVKECLVMRDPLTKRSRFGFVTFMMD
 QAGVDKVLQSRHELDKTIIDPKVAFPRRAQPKMVRTKKIFVGGLSVNTTVEDVKHYFEQFGKVDAML
 MFDKTTNRHRGFGVTFESEDIVEKVCEIHFHEINNKMVECKKAQPKVMSPTGSARGRSRVMPYGMDF
 MLGIGMLGYPGFQATTYASRSYTLAPGYTYQFPEFRVERTPLPSAPVLPeltaIPLTAYGPMAAAAAAA
 AVVRGTGSHPWMTAPPPGSTPSRTGGFLGTTSPGPMAELYGAANQDSGVSSYISAASPAPSTGFHSLGG
 PLIATAFTNGYH

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

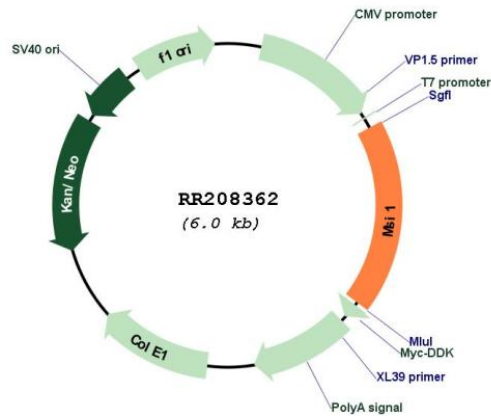
Restriction Sites:

SgfI-MluI

Cloning Scheme:



Plasmid Map:



ACCN:

NM_148890

ORF Size:	1086 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).
Reconstitution Method:	<ol style="list-style-type: none">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_148890.1 , NP_683688.1
RefSeq Size:	1089 bp
RefSeq ORF:	1089 bp
Locus ID:	259272
UniProt ID:	Q8K3P4
Cytogenetics:	12q16
MW:	39.1 kDa
Gene Summary:	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]