

Product datasheet for **MR228192**

Msi2 (NM_001201341) Mouse Tagged ORF Clone

Product data:

Product Type: Expression Plasmids
Product Name: Msi2 (NM_001201341) Mouse Tagged ORF Clone
Tag: Myc-DDK
Symbol: Msi2
Synonyms: 1700105C15Rik; AI451722; AI563628; AW489193; Msi2h
Vector: pCMV6-Entry (PS100001)
E. coli Selection: Kanamycin (25 ug/mL)
Cell Selection: Neomycin
ORF Nucleotide Sequence: >MR228192 representing NM_001201341
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**GCGATCGCC**

ATGGAGGCAAATGGGAGCCAGGCACCTCGGGCAGCGCCAACGACTCCCAGCAGCACCCCGGTAATGT
TTATCGGTGGACTGAGCTGGCAGACCTCACCAGATAGCCTTAGAGACTATTTAGCAAATTTGGAGAAAT
TAGAGAATGTATGGTCATGAGAGATCCCAACGAAACGCTCCAGAGGCTTCGGTTTCGTCACCTTCGCA
GACCCAGCAAGTGTAGATAAAGTATTAGGTCAGCCCACCATGAGTTAGATTCCAAGACGATTGACCCAA
AAGTTGCATTTCTCGTCGAGCGCAACCTAAGAGTCAAGAGCAGGGAGGCTCCTGGAAACGCACATGGAC
CACGGTCCAAGCTCGGGCTGCCTCAGGTGACCAGAAAAAGGTTGGCTTGTGAGACTCTGCTGCCCTCTTC
CCGGCTCTCCCGTCCCTCTGCGGCCTGGCAGACGAGGCTTTAGAGGGGCCGTC

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence: >MR228192 representing NM_001201341
Red=Cloning site Green=Tags(s)
MEANGSPGTSQSANDSQHDPGKMF IGGLSWQTSPLSLRDYFSKFGEIRECMVMRDPPTTKRSRGGFVTF
DPASVDKVLGQPHHELDKSIDPKVAFPRRAQPKSQEQGGSWKRTWTTVQARAASGDQKQKVLSDSAAALF
PALPVPLRPGRRGFRGAV

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites: SgfI-MluI

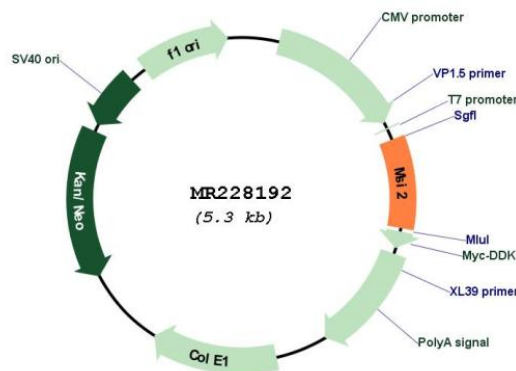


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Cloning Scheme:



Plasmid Map:



ACCN: NM_001201341

ORF Size: 474 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:	<u>NM_001201341.1, NP_001188270.1</u>
RefSeq Size:	780 bp
RefSeq ORF:	477 bp
Locus ID:	76626
Cytogenetics:	11 C
MW:	17.6 kDa
Gene Summary:	RNA binding protein that regulates the expression of target mRNAs at the translation level. May play a role in the proliferation and maintenance of stem cells in the central nervous system.[UniProtKB/Swiss-Prot Function]