

## Product datasheet for **MC225981**

### Msi2 (NM\_001201341) Mouse Untagged Clone

#### Product data:

**Product Type:** Expression Plasmids  
**Product Name:** Msi2 (NM\_001201341) Mouse Untagged Clone  
**Tag:** Tag Free  
**Symbol:** Msi2  
**Synonyms:** 1700105C15Rik; AI451722; AI563628; AW489193; Msi2h  
**Vector:** pCMV6-Entry (PS100001)  
**E. coli Selection:** Kanamycin (25 ug/mL)  
**Cell Selection:** Neomycin  
**Fully Sequenced ORF:** >MC225981 representing NM\_001201341  
Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
GCC**GCGATCGCC**

ATGGAGGCAAATGGGAGCCAGGCACCTCGGGCAGCGCCAACGACTCCCAGCAGCACCCCGGTAATGT  
TTATCGGTGGACTGAGCTGGCAGACCTCACCAGATAGCCTTAGAGACTATTTAGCAAATTTGGAGAAAT  
TAGAGAATGTATGGTCATGAGAGATCCCAACGAAACGCTCCAGAGGCTTCGGTTTCGTCACCTTCGCA  
GACCCAGCAAGTGTAGATAAAGTATTAGGTCAGCCCACCATGAGTTAGATTCCAAGACGATTGACCCAA  
AAGTTGCATTTCCCTCGTCGAGCGCAACCTAAGAGTCAAGAGCAGGGAGGCTCCTGGAAACGCACATGGAC  
CACGGTCCAAGCTCGGGCTGCCTCAGGTGACCAGAAAAAGGTTGGCTTGTGAGACTCTGCTGCCCTCTTC  
CCGGCTCTCCCGTCCCTCTGCGGCCTGGCAGACGAGGCTTTAGAGGGGCCGT**TGA**

**ACGCGT**ACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
ACAAGGATGACGACGATAAGGTTTAA

**Restriction Sites:** SgfI-MluI  
**ACCN:** NM\_001201341  
**Insert Size:** 477 bp  
**OTI Disclaimer:**

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).



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<b>OTI Annotation:</b>	Clone contains native stop codon, and expresses the complete ORF without any c-terminal tag.
<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><a href="#">NM_001201341.1</a></u> , <u><a href="#">NP_001188270.1</a></u>
<b>RefSeq Size:</b>	780 bp
<b>RefSeq ORF:</b>	477 bp
<b>Locus ID:</b>	76626
<b>Cytogenetics:</b>	11 C
<b>Gene Summary:</b>	<p>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]</p> <p>Transcript Variant: This variant (2) represents an alternate splice pattern in the 3' coding region and UTR, compared to variant 1. The resulting isoform (2) has a substantially shorter and distinct C-terminus, compared to isoform 1. Sequence Note: This RefSeq record was created from genomic sequence data to make the sequence consistent with the reference genome assembly. The genomic coordinates used for the transcript record were based on transcript alignments.</p>