

## Product datasheet for **MC205133**

### Nsmce1 (NM\_026330) Mouse Untagged Clone

#### Product data:

**Product Type:** Expression Plasmids  
**Product Name:** Nsmce1 (NM\_026330) Mouse Untagged Clone  
**Tag:** Tag Free  
**Symbol:** Nsmce1  
**Synonyms:** 2510027N19Rik  
**Mammalian Cell Selection:** Neomycin  
**Vector:** PCMV6-Kan/Neo (PCMV6KN)  
**E. coli Selection:** Kanamycin (25 ug/mL)  
**Fully Sequenced ORF:** >BC049558

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GAAGTACTCCGCTGGTGAGCGGGAGAATGCGCGTAGCCACCAGTAGGAGCTCCAGTCTGGCGATCTCTC
CGCCCTGGAGGCGGGCTCCGATATGGCTTCCGGCGTGATCTCGTGGTTTGCCTCCCAACATGCAG
GGCAGCACGAGGAGAGCAGGAGCCATGACGGATGTGCACCGGCGCTTCTCCAGCTGCTCATGACCCACG
GTGTGCTGGAGGAGTGGGAGTTTCGGCGTCTGCAGAACCCTGCTACCAGGTCCATGACCGAAATGCGAC
TGTAGATAAGCTGGAGGACTTCATCAACAACATCAACAGTGTCTGGAGTCTCTGTATATTGAGATAAAG
AAAGGAGTACGGAAGATGATGGGAGACCCATTTATGCACTGGTGAATCTTGCTACAACCTCAGTTTCCA
AAATGGCTACGGATTTTGCAGAGAACGAGCTGGATCTGTTTAGAAAGGCTCTGGAAGTATGCTGACTC
AGAACTGGCTTTGCTTCTTCTACAACATTTTGAACCTAGTTGATCAACTCAAAGGGAAAAAGATGAGG
AAGAAGGAGGCCGAGCAGGTGCTGCAGAAGTTTGTGCAGACAAAGTGGTTGATTGAGAAGGAGGGAGAGT
TCACCTTGATGGCCGGGCTATCTTGGAGATGGAGCAGTTCATCCGAGAGAGCTACCCAGATTCTGTGAA
GATGTGCAACATCTGCCACGGCCTCCTCATCCAGGGTCAAAGTTGTGAGACGTGTGGAATTAGGATGCAT
TTGCCCTTGTGGCCAAATACTTCCAGTCCATCCCTGAACCACACTGCCCCCACTGTAATGACTACTGGC
CCCACGATATACCAGAAGTCTACAACCCTGAGAAGGAGAGGGAAGCTGGCATCTCCAAGTCGAGCAGAAA
GTCCTTACGGACCCGGCAGCACTAGCTGTGTCCTGCATCGTTCTGGGCTGACCCTCACAGTCCATTTAGG
ACTGCCGTGCCTCCTTTGTTATTTGTTCTTAACACGTTTTTAGTAAATGTTTCTGATGGCGCTGTGCTC
TGTA
```

**Restriction Sites:** Sfil-Sfil

**ACCN:** NM\_026330

**Insert Size:** 843 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>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="#">BC049558</a></u> , <u><a href="#">AAH49558</a></u>
<b>RefSeq Size:</b>	1120 bp
<b>RefSeq ORF:</b>	843 bp
<b>Locus ID:</b>	67711
<b>UniProt ID:</b>	<u><a href="#">Q9D720</a></u>
<b>Cytogenetics:</b>	7 F3
<b>Gene Summary:</b>	<p>RING-type zinc finger-containing E3 ubiquitin ligase that assembles with melanoma antigen protein (MAGE) to catalyze the direct transfer of ubiquitin from E2 ubiquitin-conjugating enzyme to a specific substrate. Within MAGE-RING ubiquitin ligase complex, MAGE stimulates and specifies ubiquitin ligase activity likely through recruitment and/or stabilization of the E2 ubiquitin-conjugating enzyme at the E3:substrate complex. Involved in maintenance of genome integrity, DNA damage response and DNA repair. NSMCE3/MAGEG1 and NSMCE1 ubiquitin ligase are components of SMC5-SMC6 complex and may positively regulate homologous recombination-mediated DNA repair.[UniProtKB/Swiss-Prot Function]</p> <p>Transcript Variant: This variant (1) represents the longer transcript and encodes the longer isoform (1). Sequence Note:.</p>