

Product datasheet for **MG203781**

Nsmce1 (NM_026330) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Nsmce1 (NM_026330) Mouse Tagged ORF Clone
Tag:	TurboGFP
Symbol:	Nsmce1
Synonyms:	2510027N19Rik
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)
ORF Nucleotide Sequence:	>MG203781 representing NM_026330 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGGCTCCGGCGTGATCTCGTGGTTTGGCTCCCTCCAACATGCAGGGCAGCACGAGGAGAGCAGGAG
CCATGACGGATGTGCACCGGCGCTTCTCCAGCTGCTCATGACCCACGGTGTGCTGGAGGAGTGGGAGGT
TCGGCGTCTGCAGAACCACTGCTACCAGGTCCATGACCGAAATGCGACTGTAGATAAGCTGGAGGACTTC
ATCAACAACATCAACAGTGTCTGGAGTCTCTGTATATTGAGATAAAGAAAGGAGTACGGAAGATGATG
GGAGACCCATTTATGCACTGGTGAATCTTGTACAACCTCAGTTTCCAAAATGGCTACGGATTTTGCAGA
GAACGAGCTGGATCTGTTTAGAAAGGCTCTGGAACCTGATCGTTGACTCAGAACTGGCTTTGCTTCTTCT
ACAAACATTTTGAACCTAGTTGATCAACTCAAAGGGAAAAAGATGAGGAAGAAGGAGGCCGAGCAGGTGC
TGCAGAAGTTTGTGCAGAGCAAGTGGTTGATTGAGAAGGAGGGAGAGTTCACCTTGCATGGCCGGGCTAT
CTTGGAGATGGAGCAGTTCATCCGAGAGAGCTACCCAGATTCTGTGAAGATGTGCAACATCTGCCACGGC
CTCCTCATCCAGGGTCAAAGTTGTGAGACGTGTGGAATTAGGATGCATTTGCCTTGTGTGGCCAAACT
TCCAGTCCATCCCTGAACCACACTGCCCCACTGTAATGACTACTGGCCCCACGATATACCAGAAGTCTA
CAACCTGAGAAGGAGAGGGAAGCTGGCATCTCCAAGTCGAGCAGAAAGTCCTTACGGACCCGGCAGCAC

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA



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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_026330.3
RefSeq Size:	1120 bp
RefSeq ORF:	843 bp
Locus ID:	67711
UniProt ID:	Q9D720
Cytogenetics:	7 F3
Gene Summary:	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]