

Product datasheet for **MC201800**

Smg9 (NM_028047) Mouse Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Smg9 (NM_028047) Mouse Untagged Clone
Tag:	Tag Free
Symbol:	Smg9
Synonyms:	1500002O20Rik; AI429693; N28092
Mammalian Cell Selection:	Neomycin
Vector:	PCMV6-Kan/Neo (PCMV6KN)
E. coli Selection:	Kanamycin (25 ug/mL)



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Fully Sequenced ORF:	>BC034211 sequence for NM_028047 <pre> CCAAGGCCTGTTCCGGAATAGCCGGCACCCGTTTTCTCGGCCTCTCTATTCTCTGGCTTGTGACCTTCC GGCACCATTACACGGCAGGTGGCTGTGGAGGACCTTCCCGCCACGCTGCACTCCCGTCACTCAGAGC GCGCGCTGCGACCCAGGAATAATCAGCAGCTGCCCTAGGTGACCATGTCGGAGTCTGGGCACAGTCAGC CTGGGCTCTACGGGATAGAGCGGCGGCGCGGTGGAAGGAGCCAGGCTCCAGTGGCCCCAGAACCTTTC TGGACCTGGTGGTCGGGAGAGAGACTACATTGCCCCCTGGGAAAGAGAGACGGGATGGCAGCGAAGAC CCCAGCACTAACGTGATGCAGAAAACCCCATCATCCTCTCAAAGCCCCAGCTGAGCGGTCAAAGCAGC CGCCACCTAGTACAGCGCCAGCTGCACCGCCAGCCCCGGCCCCACTGGAGAAACCCATTGTGCTCATGAA GCCACGTGAGGAGGGGAAGGGGCTGTGGCTGGAACAGGGGCTTCCACCCCTGAAGGTAAGTGCACCCCG CCCCCACGGCCCTGCACCAACCAAGGAGAGAAGGAGGGGAGAGACCCACACAGCCTGTGTACCAGA TTCAAACCGGGCATGGGCACTGCTGCCCAACTGCCATGGACCCTGTGGTGGGCCAGGCTAAGCTCCT GCCCCAGAGCGCATGAAGCACAGCATCAAGCTGGTAGACGACCAGATGAACTGGTGTGACAGTGCCATT GAGTACCTGCTGGATCAGACGGACGTGTTAGTGGTCGGTGTCTTAGGCCTCCAGGGGACAGGCAAGTCCA TGGTCATGTCACTGCTGTCTGAAACACTCCAGAGGAAGACCAGAGAGCGTATGTCTTCCGGGCTCAGAG TGCAGAGATGAAGGAACGAGGGGCAACCAGACCAGTGGCATTGACTTCTTATTACCAAGAGCGGATT GTCTTCTAGACACACAGCCCATCTCAGCCCATCCATCTTGGACCACCTCATCAATAACGACCGCAAAAC TGCTCCAGAGTATAACCTCCCTCACACCTATGTGAAATGCAGTCCCTGCAGATAGCTGCCTTCTCTT CACCGTGTGCCACGTGGTGATCGTCGTGCAGGATTGGTTCACGGACCTCAGTCTGTACAGGTTCTCGAC ACAGCAGAGATGGTGAAGCCATCCACACCGTCCCCAGCCACGAGTCTAGCAGCTCTGCAGGCTCAGACG AGGGTACCGAGTACTACCCACCTGGTCTTCTTGCAACAAGGCACGTAGGGAGGACTTCTGTCCCCG GAAGCTACGTGAGTGCACCTGATGATTGACAGCTCATGGCACACTCCACCTGCGCTACAAGGGGACG CTGTCCATGCTACAGTGAACGTCTTCCAGGGCTGCCGCCGACTTCTTGGATGCTGAGGTCAACTTGT TCTTGGTGCCCTTCATGGACAGTGAAGCTGAGAACGAGAACCACCTCGAGCAGGACCTGGCTCCAGCCC CCTCTTTTCCCTCCTGCCTGGGTACCGAGGTACCCAGCTTCCAGTCTTGGTCAGCAAGCTCCGCAGC CAGGTGATGTCTATGGCTCGGCCACAGCTGTACACACGATCCTCACTGAGAAGAATTGGTTCACTACG CTGCCCCGATCTGGGATGGGGTGAAGAAGTCTCAGCCCTGGCAGAGTACAGCCGCTGTGGCCTGATG CCGAGGGAGCAGCAGCATGCAGGGAAGTCCCTGTCTGTGGGCTGTCTGTGGACAGTGAAGGCACAGC CACCTCCAGCAAGGGAGGAGAGTGACAGAGGCTGGCAGAGGGATCGTGGCTTCCCGCTGAGAGACGTG AGGTGTCTGAGGCCAGCCCTCCCTCAAATGGGGGCTGCTCACAGGGTACTAAGAGATCCACCCCGA GCCTGGTATGAGCAGCCTTCCCAAATCTCCATAGAGACCAGCAGCAGGAGGAGGAGTCAATGTGCC AGGAAGCCTGACCCCACTGAGTCTGACTCCAGGCCTTCCGTGGGAAACGGGGTGGGGCTGGAGAGCTTT TCAAGACGAGGGTCTGATGGTTCGAATAAATGTGGTCACAGAGAAAAAAAAAAAAAAAAAAAAAAAAAAAA AAAAAAAAAAAAA </pre>
Restriction Sites:	RsrII-NotI
ACCN:	NM_028047
Insert Size:	1563 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).
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:	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.
Note:	Plasmids are not sterile. For experiments where strict sterility is required, filtration with 0.22um filter is required.
RefSeq:	<u>BC034211</u> , <u>AAH34211</u>
RefSeq Size:	2183 bp
RefSeq ORF:	1563 bp
Locus ID:	71997
UniProt ID:	<u>Q9DB90</u>
Cytogenetics:	7 A3
Gene Summary:	Involved in nonsense-mediated decay (NMD) of mRNAs containing premature stop codons. Is recruited by release factors to stalled ribosomes together with SMG1 and SMG8 (forming the SMG1C protein kinase complex) and, in the SMG1C complex, is required for the efficient association between SMG1 and SMG8 (By similarity). Plays a role in brain, heart, and eye development (PubMed:27018474).[UniProtKB/Swiss-Prot Function]