

Product datasheet for **MC200074**

Emg1 (NM_013536) Mouse Untagged Clone

Product data:

Product Type: Expression Plasmids
Product Name: Emg1 (NM_013536) Mouse Untagged Clone
Tag: Tag Free
Symbol: Emg1
Synonyms: C2f; Grcc2f
Mammalian Cell Selection: Neomycin
Vector: PCMV6-Kan/Neo (PCMV6KN)
E. coli Selection: Kanamycin (25 ug/mL)

Fully Sequenced ORF: >BC002004 sequence for NM_013536
 CGGACGTGAAGTTCTAACTTAAGGACTTCGGTGCAACTCCGGTCTGCCTACAAGATGTCTGCGGCCAGT
 GGTGGCTTCCAACCTCGTGAGCGCGATTTTCAGTGCAGGAGCAGGACTGGGAGACTACGCCGCTAAGA
 AGCTCCGGCTTGGGCGAGGAAGCAAGTGCAGGAGCCGGAGGCTCATTGTGGTGCTGGAAGGGCCAGTCT
 GGAGACAGTCAAGGTAGGAAAACTTACGAGCTACTCAACTGTGACAGGCACAAGTCCATGTTGTTGAAG
 AATGGACGGGACCCAGGGGAAGTCAGACCAGACATCACCCACCAGAGCCTGCTGATGCTTATGGACAGCC
 CCCTGAACCGAGCTGGCTTGCTACAGGTTTACATCCACACACAGAAGAACGTGCTGATTGAAGTGAACCC
 CCAGACTCGAATTCCTAGAACCTTTGACCGATTTTGTGGCCTCATGGTTCAGCTTTTACACAACTGAGC
 GTCCGAGCAGCCAGGCCCTCAGAAGCTATTGAAGGTAATTAAGAATCCAGTGTCCGACCACTTCCCAG
 TTGGCTGTATGAAAATTGGCACTTCTTTTCTGTTGAAGACATCAGTGACATTGAGAGTTGGTGCCAG
 TAGTGACCCAGTTGTGTTTGTGGTGGGGCCTTTGCCATGGCAAGGTCAGTGTGGAGTACACAGAAAAG
 ATGGTGTCCATCAGCAACTATCCACTCTCTGCTGCGCTTACCTGTGCTAAAGTACCACAGCTTTTGAAG
 AAGTATGGGGTGTCAATTTGAGCCAGCAGGGCCTGGTTTCTCAGACAGGAAGGACTCTTGGCAGTTTGTCT
 TTTGGCTCCTAAGATCTGCTGGAAGATAATCTTCTGTACCAAGACTGCAGAGTGGGGAGACAACACTGTA
 TAGTTGTTTTTTGTTTTTCTATAAAGAGTTTTTATTCGTTTTTAAAAAAAAAAAAAAAAAAAAAAAAAAAA
 AA

Restriction Sites: RsrII-NotI

ACCN: NM_013536

Insert Size: 735 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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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>BC002004</u> , <u>AAH02004</u>
RefSeq Size:	1019 bp
RefSeq ORF:	735 bp
Locus ID:	14791
UniProt ID:	<u>O35130</u>
Cytogenetics:	6 59.17 cM
Gene Summary:	S-adenosyl-L-methionine-dependent pseudouridine N(1)-methyltransferase that methylates pseudouridine at position 1248 (Psi1248) in 18S rRNA. Involved the biosynthesis of the hypermodified N1-methyl-N3-(3-amino-3-carboxypropyl) pseudouridine (m1acp3-Psi) conserved in eukaryotic 18S rRNA. Is not able to methylate uridine at this position. Has also an essential role in 40S ribosomal subunit biogenesis independent on its methyltransferase activity, facilitating the incorporation of ribosomal protein S19 during the formation of pre-ribosomes.[UniProtKB/Swiss-Prot Function]