

## Product datasheet for **RR201833**

### **Mme (NM\_012608) Rat Tagged ORF Clone**

#### **Product data:**

Product Type:	Expression Plasmids
Product Name:	Mme (NM_012608) Rat Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Mme
Synonyms:	CD10; Nep; SFE
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



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ORF Nucleotide  
Sequence:

>RR201833 representing NM\_012608  
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
 GCC**CGGATCGCC**

ATGGGAAGATCAGAAAGTCAGATGGATATTACTGATATCAATGCTCCAAAGCCGAAGAAGAAACAGCGAT  
 GGAATCCACTGGAGATCAGCCTTTCTGTGCTCGTCTTGCTCCTGACTATCATAGCTGTGACAATGATTGC  
 TCTCTATGCAACCTATGATGATGGTATTTGCAAATCATCAGACTGCATAAAATCAGCTGCTCGACTGATC  
 CAGAACATGGATGCCTCTGCTGAGCCATGTACGGACTTCTTCAAATATGCTTGTGGAGGCTGGTTGAAAC  
 GCAATGTCATCCCTGAGACCAGTCCCGATACAGTAATTTTACATTCTAAGAGATGAACTAGAAGTCAT  
 TTTGAAAGATGTCCTTCAAGAACCACAACTGAGGACATAGTAGCAGTGCAGAAAGCAAAAATTTGTAC  
 AGATCATGTATAAATGAATCTGCTATTGATAGCAGAGGTGGCAACCTCTGCTCACACTGTTACCAGATA  
 TATATGGGTGGCCAGTAGCATCACAAAACGGGAAACAAACATATGGTACTTCTTGGACAGCTGAGAAATC  
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 AATTCTACCCAGCATATAATTCATTTTACCAGCCTCGACTTGGCCTCCCTCCAGAGACTACTATGAGT  
 GTACAGGAATATATAAGAGGCTTGACACAGCATATGTGGATTTTATGATTCTGTGGCCAGACTGATTCCG  
 TCAGGAACAAAGATTGCCTATTGATGAAAACAGCTCTCTTTGAAAATGAATAAAGTTATGGAATTGGAA  
 AAAGAAATGGCAATGCCACAACAAACAGAAAGACCGAAATGACCCAATGCTGCTTTATAACAAAATGA  
 CATTGGCCAAGCTCCAAAATAACTTCTCTCTGGAGATCAATGGGAAGCCATTGAGCTGGTCAAATTTAC  
 AAATGAAATCATGTCAACTGTGAATATTAATATTCAAAATGAGGAAGAAGTGGTTGTTTATGCTCCAGAA  
 TATTTAACCAAACCTAAGCCTATTCTTACCAAATATTCTCCAGAGATCTTCAAATTTAATGTCCTGGA  
 GGTTCATAAATGGATCTTGTAAAGCAGCCTCAGCCGAAACTACAAGGAGTCCAGAAATGCTTCCGCAAGGC  
 CCTTTACGGGACTACATCCGAAACTGCAACCTGGAGACGGTGTGCCAACTACGTCATGGGAACATGGAG  
 AATGCTGTGGGGAGGCTTTATGTGGAAGCAGCTTTTGTGGAGAGCAAGCACGTGGTTGAAGATTTGA  
 TTGCACAAATCCGTGAAGTTTTTATTAGACTTTAGATGACCTCACTTGGATGGATGCTGAGACAAAAAA  
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 AATAAACTGAATAATGAGTATCTTGAGTTGAACTACAAGGAAGAGGAATACTTTGAGAACATAATTCAA  
 ATTTGAAATTCAGCCAAAGCAAGCAGCTAAAGAAGCTCCGAGAAAAGGTGGACAAAGATGAGTGGATAAG  
 TGGCGCGCGGTAGTCAATGCATTTTATCCTCAGGCAGAAATCAGATCGTCTTCCCGCCGGCATTG  
 CAGCCCCATTCTTTAGTCTCGGCAGTCCAACCTATTGAACTATGGGGCATCGGCATGGTCATCGGAC  
 ATGAAATCACACATGGCTTTGATGACAATGGCAGAAATTTAACAAAGATGGAGACCTCGTTGACTGGT  
 GACTCAGCAGTCTGCAAATAATTTCAAAGACCAATCCCAGTGTATGGTGTACCAGTATGGAACTTTACA  
 TGGGACCTAGCAGGTGGACAGCATCTCAATGGAATTAACACACTAGGAGAAAAATTTGCTGATAATGGAG  
 GGATTGGCCAAGCATACAGAGCCTATCAGAATTATGTTAAAAAGAATGGTGAAGAAAAATTACTCCCTGG  
 ACTTGACCTCAATCACAAACAACATTCTTCTTGAACCTTGCCAGGTGTGGTGTGGAACCTACCGCCA  
 GAGTATGCAGTCAATCCATTAACAGATGTACACAGTCTGGCAATTTGAGGATCATTGGGACTTTGC  
 AGAACTCTGCTGAGTTTGCAGATGCCTTATTGCCGCAAGAACTCATACATGAATCCAGAAAGGAAATG  
 TCGGGTTTGG

**ACGCGT**ACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
 ACAAGGATGACGACGATAAGGTTTAA

**Protein Sequence:** >RR201833 representing NM\_012608  
 Red=Cloning site Green=Tags(s)

MGRSESQMDITDINAPKPKKQRWTPLEISLSVLVLLLTIIAVTMIALYATYDDGICKSSDCIKSAARLI  
 QNMDASAEPCDFFKYACGGWLKRNVIPETSSRYSNFDILRDELEVILKDVLPKPTEDI VAVQKAKTLY  
 RSCINESAIDSRGGQPLLTLPLDIYGWVPASQWQTYGTSWTAEKSI AQLNSKYGKKVLINFFVGTDDK  
 NSTQHI IHFDQPRLLPSRDYECTGIYKEACTAYVDFMISVARLIRQEQRLPIDENQLSLEMNKVMELE  
 KEIANATTKPEDRNDPMLLYNKMTLAKLQNNFSLEINGKPF SWSNFTNEIMSTVNINI QNEEVVYAPE  
 YLTKLKPILTKYSPRDLQNLMSWRFIMDLVSSL SRNYKESRNAFRKALYGT TSETATWRRANCANYVNGME  
 NAVGRLYVEAAFAGESKHVVEDLIAQIREVFIQTLDDL TWMDAETKKAEEKALAIKERIGYPDDIISNE  
 NKLNNEYLELNYKEEYFENIIQNLKFSQSKQLK LREKVDKDEWISGA AVVNAFYSSGRNQIVFPAGIL  
 QPPFFSARQSNLNYGGIGMVGHEITHGFDDNGRNFNKDGDLDVWWTQ QSANNFKDQSQCMVYQYGNFT  
 WDLAGGQHLNGINTLGENIADNGGIGQAYRAYQNYVKKNGEEKLLPGLDLNHKQLFFLNFAQVWCGYR  
 EYAVNSIKTDVHSPGNFRIIGTLQNSAEFADAFHCRKNSYMNPERKCRVW

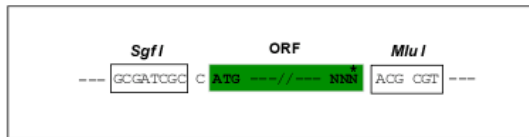
TRTRPLEQKLI SEEDLAANDILDYKDDDDKV

**Restriction Sites:**

SgfI-MluI

**Cloning Scheme:**

Cloning sites used for ORF Shuttling:



\* The last codon before the Stop codon of the ORF

**ACCN:** NM\_012608

**ORF Size:** 2250 bp

**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:**

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\\_012608.2](#), [NP\\_036740.1](#)

**RefSeq Size:** 3493 bp

**RefSeq ORF:** 2253 bp

**Locus ID:** 24590

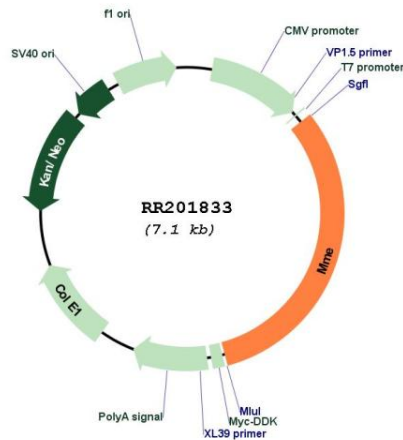
**UniProt ID:** [P07861](#)

**Cytogenetics:** 2q31

**MW:** 85.8 kDa

**Gene Summary:** zinc-containing metallo-enzyme; involved in degradation of cardiac peptides [RGD, Feb 2006]

**Product images:**



Circular map for RR201833