

## Product datasheet for **MR209005**

### Me1 (NM\_008615) Mouse Tagged ORF Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	Me1 (NM_008615) Mouse Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Me1
Synonyms:	D9Erttd267e; Mdh-1; Mod-1; Mod1
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



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**ORF Nucleotide Sequence:**

>MR209005 representing NM\_008615  
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
 GCC**GCGATCGCC**

ATGCCCGCTGGTAGCCGAGCCGGCTCCCGCTGCCTCCGGCTCCCTCCCCGGCCTTCGGTCTGACTC  
 TCAAGGCCTGCGCCCCGCTACGCGCCGAGACCCCGACTCCAACGGGACTTAGACACCGGCTCCGA  
 GCTGGGTCCCGCAGCCCGGCTCCACC CGGAGGAAGTAGAGAAAGAAATGGCAGGTCCTAGTCAACTC  
 TGCATTCGCCGCTGGACTACCAAGCATGTGGCTGTGTGGCTGAAGGACGAAGTTTCTTTGAGTATGTGG  
 ACATTTTATGCAACAAGCACCGCCTTGATGGAATCACATTGCTCACGCTGACTGAATATGATCTCCGCTC  
 TCCTCCTCGAAATCAAAGTCTAGGAGACATTAACCGTTAATGCTCTCAGTCCGAAAATTGCAGAAA  
 ATACATACTGATTTTTGGAAGAGATGGCTACAACAGTGACAGTCTATGAGTCCCATGACTCCATTCC  
 TTAGTGCTCTTCAGAGTGCAGACTGGCTCTGTAAACGGAGACCCACACAGCTGTGATGGGCCATCCC  
 TGACTTGAGTTCTGATCAGTACAGTACATGAATGGCAAAAACAACATTCTGCTCGAAGACTGGACCCA  
 GAGTACTGGAAGACCATCCTGAGTTGTGTATATGTTTTATAGTATTTGGGTTTACGTCTTTCATTATGG  
 TTATTGTTTCATGAGCGTGTGCCTGACATGCAGACCTACCCACCACTCCCAGATATATTCCTAGACAGTGT  
 TCCTAGGATCCCGTGGGCCTTCTCCATGACCGAAGTGTGTGGCGTATTCTGTGCTACATTTGGATCCTG  
 GTTCTTCTTCCACAAGCACAGGTCAATCCTTCTGCGAAGGCTCTGTAGTCTGATGGGCACTGTATTCT  
 TGCTTCGCTGTTTACCATGTTTGTGACCTCCCTCTCCGTGCCAGGACAGCACCTGCAGTGTACTGGAAA  
 GATATATGGAAGTGTGTGGGAGAACTACGACGGGCATTTGCCATCTGGAGCGGCTTTGGAATGACTCTG  
 ACTGGCGTCCACACTTGTGGAGACTACATGTTTCAGTGGCCACACAGTTGTTCTAACCATGCTGAATTTCT  
 TTGTCACAGAGTATACCAAGAAGCTGGAATTTCTTGCACACTCTATCCTGGGTTCTCAACCTCTTTGG  
 AATCTTCTTCATCTTGGCTGCCCATGAACATTATTCATTGATGTGTTTATTGCCTTTTATATCACAA  
 AGACTCTTTTTGTACTACCATACTCTGGCTAACACCAGAGCGTATCATCAGAGTAGGAGAGCGAGGATTT  
 GGTTCCTATGTTTTCTTCTTTGAATGCAATGTTAATGGCACAGTACCTAATGAATATTGTTGGCCATT  
 TTCTAAACCAGCAATAATGAAAAGACTAATTGGA

**ACGCGT**ACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCCTGGATT  
 ACAAGGATGACGACGATAAGGTTTAA

**Protein Sequence:**

>MR209005 representing NM\_008615  
 Red=Cloning site Green=Tags(s)

MPAGSRAGSRLRSGSLPRPSRLTLKALRPAYAPRTPDSNGDLDTGSELGPGSPAPTAEEVEKEMAGSQL  
 CIRRWTTKHVAVWLKDEGFFEYVDILCNKHRLDITLLTLTEYDLRSPPLEIKVLGDIKRLMLSVRKLQK  
 IHTDVLEEMGYNSDSPMSPMTPFLSALQSADWLCNGEPHSCDGPIDLSSDQYQYMNKGNKHSARRLDP  
 EYWKTIILSCVYVFI VFGFTSFMIVHERVPMQTYPPLPDIFLDSVPRIWAFSMTEVCGVILCYIWIL  
 VLLLHKHRSILLRRLCSLMGTVFLLRCFTMFVTSLSVPGQHLQCTGKIYGSVWEKLRRAFAIWSFGMTL  
 TGVHTCGDYMFSGHTVVL TMLNFFVTEYTPRSWNFLHTLSWVNLNLFGIFFILAAHEHYSIDVFI AFYITT  
 RLFLYHTLANTRAYHQSRRIWPFMF SFFECNVNGTVPNEYCWPF SKPAIMKRLIG

**TR**TRPLEQKLI SEEDLAANDILDYKDDDDKV

**Chromatograms:**

[https://cdn.origene.com/chromatograms/mm9016\\_h04.zip](https://cdn.origene.com/chromatograms/mm9016_h04.zip)

**Restriction Sites:**

Sgfl-Mlul

**Cloning Scheme:**


**ACCN:** NM\_008615

**ORF Size:** 1434 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 Size:** 3129 bp

**RefSeq ORF:** 1719 bp

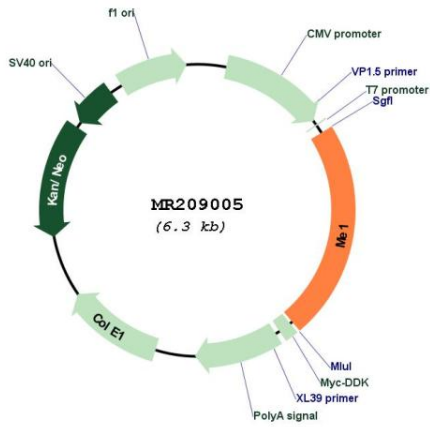
**Locus ID:** 17436

**UniProt ID:** [P06801](#)

**Cytogenetics:** 9 46.58 cM

**MW:** 64.4 kDa

Product images:



Circular map for MR209005