

Product datasheet for **RN203845**

Me1 (NM_012600) Rat Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Me1 (NM_012600) Rat Untagged Clone
Tag:	Tag Free
Symbol:	Me1
Synonyms:	MOD1
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



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Fully Sequenced ORF: >RN203845 representing NM_012600
Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGCATCGCC**

ATGGATCCCCGAGCCCCCGACGCCGACACGCCACCAGCGGGCTACCTGCTGACGCGGGACCCGCATC
TCAACAAGGACTTGGCTTTACTCTGGAAGAGAGGCAACAGCTGAACATTCATGGCTTGTGCCACCCTG
CATTGTCAACCAGGAGATCCAGGTCCTTAGAGTAATTAAGAATTCGAGCGTCTGAACTCTGACTTCGAC
AGGTATCTTCTGTTAATGGATCTGCAAGATAGGAATGAGAAGCTTTCTACAGTGTCTTATGTCTAATG
TTGAAAAGTTCATGCCTATCGTTTACACTCCCACCGTGGGTCTTGCATGCCAACAATACAGTTTGGCATT
CCGGAAGCCAAGAGCCCTTTTATCAGTATCCACGACAAAGGCCATATTGCTTCAGTTCTTAACGCATGG
CCAGAAGATGTTGCAAGGCTATTGTGGTACTGATGGAGAGCGAATCCTCGGCTGGGCGACCTTGGTT
GTAAACGGGATGGGCATCCCTGTGGTAACTGGCCCTGTACACAGCGTGGGAGGGGTGAATCCACAACA
GTGTCTACCCATCACTTTGGACGTGGGCACAGAAAATGAGGAGTACTTAAAGATCCCTTGTATATTGGG
CTGCGGCACAGGCGAGTGAGAGGCCCTGAATATGATGCGTTTTTGGATGAATTCATGGAGGCGAGCTCTT
CCAAATATGGCATGAATTGCCTTATTCAGTTTGAAGATTTTGCCAATCTGAATGCATTTCTGCTCCCTGAA
CAAGTATCGAAACAAGTATTGCACATTTAACGATGATATTCAAGGAACAGCGTCTGTGGCAGTTGCCGGC
CTTCTTGCTGCTCTTCGGATAACCAAGAACAAGCTCTCTGATCAGACAGTGTCTTCCAGGGAGCCGGCG
AGGCTGCCTTGGGGATTGCTCATCTGATTGTTATGGCCATGGAGAAGGAAGGTTTATCAAAGGAGAAAGC
TAGACAAAAGATATGTTGGTTGACTCAAAGGATTAATAGTTAAGGGCGTGTCTCTCACAGAAGAG
AAAGAGGTGTTTCCCATGAACATGAAGAAATGAAGAACCTAGAAGCCATTGTTCCAGAAGATAAAACCAA
CCGCTCTCATAGGAGTTGCTGCAATTGGTGGTCTTTACAGAACAAATCTCAAGGATATGGCTGCCTT
CAACGAGCGGCCCATCATCTTTGCTTTGAGTAATCCGACCAGCAAAGCTGAGTGTCTGCAGAGGAGTGC
TATAAAGTGACCAAGGGCGTGGCATCTTTGCCAGCGGAGTCCCTTTGATCCAGTCACTCTCCAGATG
GACGGACTCTGTTTCTGGCCAAGGCAACAACCTCTATGTGTTCCCTGGAGTTGCTCTTGGGGTAGTGGC
CTGTGGACTGAGACACATCAATGATTCGGTCTTCTCACCACGGCTGAGGTATATCCCAGCAAGTGTCA
GATAAACACCTAGAAGAAGGCGGCTCTATCCTCCTTTGAACACCATCCGAGATGTTTCTTGAATAATCG
CAGTAAAGATTGTCAAGATGCATACAAAGAAAAGATGGCCACTGTTTATCCTGAACCCCAAAACAAGA
AGATTTGTCTCCTCCAGATGTACAGCACTAATTATGACCAGATCCTACCTGATTGTTATTCGTGGCCT
GAAGAAGTCCAGAAAATACAGACCAAAGTCAATCAG**TAA**

ACGCGTACGCGGCCGCTCGAGCAGAAAACCTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA

Chromatograms: https://cdn.origene.com/chromatograms/ja1262_c12.zip

Restriction Sites: SgfI-MluI

ACCN: NM_012600

Insert Size: 1719 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.

RefSeq: [NM_012600.2](#), [NP_036732.2](#)

RefSeq Size: 3075 bp

RefSeq ORF: 1719 bp

Locus ID: 24552

Cytogenetics: 8q31

Gene Summary: catalyzes the NADP+ dependent conversion of S-malate to pyruvate [RGD, Feb 2006]