

## Product datasheet for **MC210275**

### Marc1 (NM\_001081361) Mouse Untagged Clone

#### Product data:

**Product Type:** Expression Plasmids  
**Product Name:** Marc1 (NM\_001081361) Mouse Untagged Clone  
**Tag:** Tag Free  
**Symbol:** Marc1  
**Synonyms:** 1300013F15Rik; Mosc1  
**Mammalian Cell Selection:** Neomycin  
**Vector:** pCMV6-Entry (PS100001)  
**E. coli Selection:** Kanamycin (25 ug/mL)  
**Fully Sequenced ORF:** >MC210275 representing NM\_001081361  
Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
GCC**CGGATCGCC**

ATGGGTGCGGGTCTGGGCGTGACCCTCTTCGGCTTCTCCGCGTTTCGGGTCCCGGGCCAGCCGCGGT  
CCACCTGGCTCGGCGTCGCCGCTGGGACTGGCCGCGGTGGCCCTGGGACAGTGGCTGGCGTCGTGC  
GCGTCCCCGGCGACGCCGGCGGTACAGCAAGTGGGAACGGTGGCACAGCTCTGGATCTACCAATCAAG  
TCCTGCAAGGGTTGTCGGTGAGCGAGGCAGAGTGCATGCCATGGGGCTGCGCTATGGCCACCTGCGCG  
ACAGGTTTTGGCTCGTGATCAATGAAGAGGGGAACATGGTCACTGCCCGCAGGAGCCTCGATTGGTCTCT  
GATTTCTCTGACCTGTGAGGACGACACCTTGACTCTCAGTGCAGCTTACACAAAGGACCTGCTGCTGCC  
ATCACCCCGCCTGCCACAACCCACTCCTCCAGTGCAGAGTGCATGGCCTGGAGATACAGGGCAGGGATT  
GTGGAGAGGATGCAGCTCAGTGGGTGAGCAGCTTCTTGAAGATGCAGTCTGTGCGCTGGTGCATTCGA  
GCCGCACATGCGCCCCAGAACTTCTCGGCAATGAAGGCTTCCAATCATTTTCTCAAAATAATGAAGTG  
GCCTACTCAGATGCAAGTCCATTCTTGGTCTTCTGAGGCATCCTTGAAGATCTCAACTCCAGGCTGG  
AGCGCAGAGTGAAGCGACAACTTCAGGCCTAACATTGTCATCTCGGGATGTGGCGTTTATGCTGAGGA  
TTCTTGAACGAGGTTCTCATTGGAGATGTGAACTGAAACGGGTGATGGCTTGTACCCGGTGCCTTTTA  
ACAACAGTGGATCCAGACTGGCATCTCGGACAGGAAGGAGCCTCTGGAACACTGAAGAGCTACCGCC  
TGTGTGACCCTTCCGAGCAAGCACTATATGAAAAGTTACCCATCTTTGGACAATACTTCGCTCTGAAAA  
TCCAGGGACAATCAGAGTGGGAGACCCTGTGTACCTCCTGGCCAG**TGA**

**ACGCGT**ACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
ACAAGGATGACGACGATAAGGTTTAA

**Restriction Sites:** SgfI-MluI



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<b>ACCN:</b>	NM_001081361
<b>Insert Size:</b>	1029 bp
<b>OTI Disclaimer:</b>	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).
<b>Components:</b>	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).
<b>Reconstitution Method:</b>	<ol style="list-style-type: none"><li>1. Centrifuge at 5,000xg for 5min.</li><li>2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA.</li><li>3. Close the tube and incubate for 10 minutes at room temperature.</li><li>4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom.</li><li>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.</li></ol>
<b>RefSeq:</b>	<u><a href="#">NM_001081361.1</a></u> , <u><a href="#">NP_001074830.1</a></u>
<b>RefSeq Size:</b>	2161 bp
<b>RefSeq ORF:</b>	1029 bp
<b>Locus ID:</b>	66112
<b>Cytogenetics:</b>	1 H5
<b>Gene Summary:</b>	As a component of an N-hydroxylated prodrug-converting complex required to reduce N-hydroxylated prodrugs, such as benzamidoxime. Also able to reduce N(omega)-hydroxy-L-arginine (NOHA) and N(omega)-hydroxy-N(delta)-methyl-L-arginine (NHAM) into L-arginine and N(delta)-methyl-L-arginine, respectively (By similarity).[UniProtKB/Swiss-Prot Function]