

## Product datasheet for **MR205031**

### Marc2 (NM\_133684) Mouse Tagged ORF Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	Marc2 (NM_133684) Mouse Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Marc2
Synonyms:	2810484M10Rik; mARC1; Mosc2
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
ORF Nucleotide Sequence:	>MR205031 representing NM_133684 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
GCC**CGATCGCC**

ATGGGTTCTCCAGCTCTACGGCTCTGGCTCGCCTCGGCCTCCCTGGGCAGCCGGTCCACCTGGCTCG  
GCGTCGCCGCGCTGGGGCTGGCTGCGGTGGCGCTGGGGACCGTAGCTTGGCGTCGCACGCGTCCCCGGCG  
GCGCCGGCAGCTGCAGCAGGTGGGCACGGTGTGCAAGTTTGGATCTACCCGATCAAGTCTGCAAGGGG  
GTGTGGTGTGTGAGACCGAGTGCACGGACATGGGGCTGCGCTGTGGCAAAGTGCAGGACAGTTCTGGA  
TGGTGGTGAAGGAGGACGGACACATGGTCACTGCCGCCAGGAGCCTCGCCTTGTCTGGTCTCCATCAC  
CCTGGAGAACAATTACCTGACGCTGGAAGCTCCAGGCATGGAGCAGATAGTTCTGCCAATCAAGTCCCT  
TCTTCAATAAGATCCACAACCTGCAAGGCTGTTTGGTCTCGACATCAAAGGCAGAGATTGTGGCGATGAGG  
TAGCTCAGTGGTTCACCAACTACCTGAAGACGCAAGCCTACAGGTTGGTTCAGTTTGATACCAGCATGAA  
AGGAAGAACAACGAAGAACTTTACCCTTCTGAAAGTTACCTTCAGAACTATGAGGTAGCCTACCCGGAC  
TGCAGCCCTGTCCACCTGATTTCTGAAGCCTCCTAGTCGATCTCAACACCAGGCTGAAGAAGAAAGTGA  
AGATGGAATATTCAGGCCAAACATCGTGGTGTGAGGCTTTCGAGGAGGATACTTGGGATGA  
ACTCCTGATTGGTGACGTGGAGATGAAAAGGGTGTGAGCTGTCCAGGTGCGTTCTGACTACAGTGGAC  
CCAGACACCGGCATCATAGACAGGAAGGAGCCACTGGAGACCTGAAGAGCTATCGCCTGTGTGATCCTT  
CTGTGAAGAGTATATACCAGTCATCTCCACTTTTGGGATGTATTCTCGGTGGAGAAGCTTGGGAGCCT  
GAGAGTGGGTGACCCTGTGTACCGGATGGTGGAT

AG**CGGACCG**ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCC  
TGGATTACAAGGATGACGACGATAAGGTTTAA



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**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\\_133684.4](#)

**RefSeq Size:** 1883 bp

**RefSeq ORF:** 1017 bp

**Locus ID:** 67247

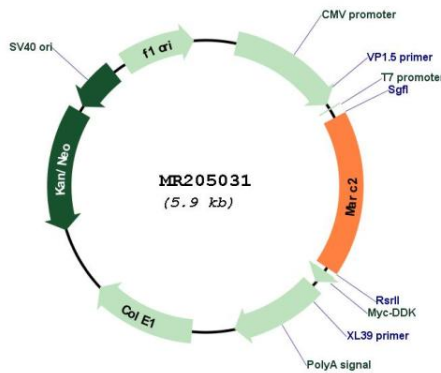
**UniProt ID:** [Q922Q1](#)

**Cytogenetics:** 1 H5

**MW:** 38.6 kDa

**Gene Summary:** As a component of the benzamidoxime 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]

**Product images:**



Circular map for MR205031