

Product datasheet for MC227135

Marc1 (NM_001290273) Mouse Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Marc1 (NM_001290273) 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:	>MC227135 representing NM_001290273 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGGATCGCC**

ATGGGTGCGGGTCTGGGCGTGACCCTCTTCGGCTTCTCCGCGTTTCGGGTCCCGGGCCAGCCGCGGT
CCACCTGGCTCGGCGTCGCCGCGTGGGACTGGCCGCGGTGGCCCTGGGGACAGTGGCTGGCGTCGTGC
GCGTCCCCGGCGACGCCGGCGGTACAGCAAGTGGGAACGGTGGCACAGCTCTGGATCTACCCAATCAAG
TCCTGCAAGGGTTGTCGGTGAGCGAGGCAGAGTGCATGCCATGGGCTGCGCTATGGCCACCTGCGCG
ACAGGTTTTGGCTCGTGATCAATGAAGAGGGGAACATGGTCACTGCCCGCAGGAGCCTCGATTGGTCTCT
GATTTCTCTGACCTGTGAGGACGACACCTTGACTCTCAGTGCAGCTTACACAAAGGACCTGCTGCTGCC
ATCACCCCGCCTGCCACAACCCACTCCTCCAGTGCAGAGTGCATGGCCTGGAGATACAGGGCAGGGATT
GTGGAGAGGATGCAGCTCAGTGGGTGAGCAGCTTCTTGAAGATGCAGTCTGTGCGCTGGTGCATTCGA
GCCGCACATGCGCCCCAGAAGTTCTCGGCAATGAAGGCTGTGTTCCGGACCAAGGACCAGGTGGCTAC
TCAGATGCAAGTCCATTCTTGGTCTTTCTGAGGCATCCTTGAAGATCTCAACTCCAGGCTGGAGCGCA
GAGTGAAAGCGACAACTTCAGGCCTAACATTGTATCTCGGGATGTGGCGTTTATGCTGAGGATTCTTG
GAACGAGGTTCTCATTGGAGATGTGAACTGAAACGGGTGATGGCTTGTACCCGGTGCCTTTTAAACA
GTGGATCCAGACTGGCATCTCGGACAGGAAGGAGCCTCTGAAACACTGAAGAGCTACCGCCTGTGTG
ACCCTTCCGAGCAAGCACTATATGGAAAGTTACCCATCTTTGGACAATACTTCGCTCTGGAAAATCCAGG
GACAATCAGAGTGGGAGACCCTGTGTACCTCCTGGCCAGTGA

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites: SgfI-MluI



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ACCN:	NM_001290273
Insert Size:	1023 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).
OTI Annotation:	Clone contains native stop codon, and expresses the complete ORF without any c-terminal tag.
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:	<ol style="list-style-type: none">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:	<u>NM_001290273.1</u> , <u>NP_001277202.1</u>
RefSeq Size:	2148 bp
RefSeq ORF:	1023 bp
Locus ID:	66112
UniProt ID:	<u>Q9CW42</u>
Cytogenetics:	1 H5
Gene Summary:	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]