

Product datasheet for **MC217177**

Mier1 (NM_001039081) Mouse Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Mier1 (NM_001039081) Mouse Untagged Clone
Tag:	Tag Free
Symbol:	Mier1
Synonyms:	4933425I22Rik; 5830411K19Rik; er1
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin



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Fully Sequenced ORF: >MC217177 representing NM_001039081
Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGCATCGCC**

ATGGCGGAGCCATCTGTTGAGTCTTCAAGTCCAGGAGGCTCAGCAACATCAGAGGACCATGAGTTTGATC
CATCAGCTGACATGCTGGTTCATGATTTTGATGATGAGCGAACATTAGAAGAAGAAGAAATGATGGAAGG
AGAGACAAACTTCAGTTCTGAAATAGAGGATCTTGCGAGGGAAGGCGACATGCCAATCCACGAGCTGCTC
AGCCTCTATGTTATGACAGCACTGTTCCGGTTACCTGAGGAAGAGGAGGAGGAAGAGGAGGAGGAGGAAG
GTGAAGATGATGAAGATGCTGATAATGATGATAACAGTGGCTGTAGTGGAGAAAAAAGAAGAGAAATAT
AAAGGATTCATCGGGTCAGGAGGATGAACTCAGTCTTCCAATGATGATCCCTCACAGTCTGTTACTTCC
CAAGATGCTCAGGAAATAATCCGCCACGTCGATGTAATATTTTGATACAAATAGTAAATAGAAGAAG
AATCTGAAGAAGATGAAGATTATTTCCCTCAGAAGACTGGAAAAAGAAATCATGGTGGCTCCATGTT
TCAAGCTGAGATCCAGTTGGTGTGTTAGATACAAAGAAAATGAAAAAGTGTATGAAAAATGATGATCAG
CTTCTGTGGGATCCAGAGTGTACCAGAAGAGAAAGTGGTTGTCTTTCTTAAGGATGCGCTAGAAAGGA
CAGGGGATGAGAAAGGTGTGAAGCAATCCCTGAAGGCTCGCATATCAAAGACAATGAGCAGGCTTTATA
TGAGTTGGTTAAATGCAGCTTTGATACGGAAGAAGCCTTGAGAAGACTGAGATTTAATGTCAAAGCAGCT
CGAGAGGAGTTATCTGTGTGGACAGAGGAAGAGTGTAGAAATTTTGAGCAAGGGCTGAAGGCCTATGGAA
AAGATTTTCATCTGATTCAGGCTAATAAAGTCCGAACAAGATCAGTTGGTGAATGTGTAGCATTCTATTA
CATGTGGAAAAAGTCTGAGCGCTATGATTTCTTTGCTCAGCAACAAGTTTGGAAAAAGAAATATAAT
CTTCATCTGGTGAACGGATTACATGGATCGTCTTTGGATGAAAGTGAAGTGTCTCTAGCCGAG
CACCATCCCCCTCCACTGCCTCAAATAGCAGTAACAGCCAGTCCGAGAAAGAAGATGGCGCTGTCAG
CAGTAGGAATCAGAACGGTGTCTCATCTAATGGACCAGGAGAAATACTAAACAAAGAAGAAGTAAAAGTT
GAAGGGTTACATGTTAATGGACCAACAGGTGGAATAAGAAACCCTTCTTACAGATATGGACACTAATG
GTTATGAAGCAAATAACCTGACCACTGACCCAAAACCTTGCCCATATGACTGCAAGAAATGAAATGATTT
TGATGAAAAAATGAGAGACCTGCCAAAAGCGCGGATAAACAGCAGTGGGAAAGAAAGTCCGGGCTCA
TCTGAGTTTTCCAGGAAGCAGTCTCACATGGGAAGTTTGAGGAACATGAAAACACGAATGACT**AA**

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites: Sgfl-Mlul

ACCN: NM_001039081

Insert Size: 1536 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:	<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_001039081.2, NP_001034170.1</u>
RefSeq Size:	4650 bp
RefSeq ORF:	1536 bp
Locus ID:	71148
UniProt ID:	<u>Q5UAK0</u>
Cytogenetics:	4 C6
Gene Summary:	<p>Transcriptional repressor regulating the expression of a number of genes including SP1 target genes. Probably functions through recruitment of HDAC1 a histone deacetylase involved in chromatin silencing.[UniProtKB/Swiss-Prot Function]</p> <p>Transcript Variant: This variant (2) differs in the 5' UTR and the 5' coding region and initiates translation at an alternate start codon, compared to variant 4. It encodes isoform b, which is shorter and has a distinct N-terminus, compared to isoform c.</p>