

Product datasheet for **MC228182**

Mier1 (NM_001286222) Mouse Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Mier1 (NM_001286222) 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: >MC228182 representing NM_001286222
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGGATCGCC**

ATGTTTATGTTTAAATGGTTTACAGACTGTCTCTGGATTCTTTCTGTCAAATTACAAGCCATCTGTTG
 AGTCTTCAAGTCCAGGAGGCTCAGCAACATCAGAGGACCATGAGTTTGATCCATCAGCTGACATGCTGGT
 TCATGATTTTGATGATGAGCGAACATTAGAAGAAGAAGAAATGATGGAAGGAGAGACAACTTCAGTTCT
 GAAATAGAGGATCTTGCAGGGAAGGCGACATGCCAATCCACGAGCTGCTCAGCCTCTATGGTTATGACA
 GCACTGTTTCGGTTACCTGAGGAAGAGGAGGAGGAAGAGGAGGAGGAAAGGTGAAGATGATGAAGATGC
 TGATAATGATGATAACAGTGGCTGTAGTGGAGAAAATAAAGAAGAGAATATAAAGGATTCATCGGGTCAG
 GAGGATGAACTCAGTCTCCAATGATGATCCCTCACAGTCTGTTACTTCCCAAGATGCTCAGGAAATAA
 TCCGCCACGTCGATGTAATATTTTGATACAAATAGTAAAATAAGAAGAATCTGAAGAAGATGAAGA
 TTATATCCCTCAGAAGACTGAAAAAGGAAATCATGGTGGGCTCCATGTTTCAAGCTGAGATCCAGTT
 GGTGTTGTAGATACAAAGAAAATGAAAAAGTGTATGAAAATGATGATCAGCTTCTGTGGGATCCAGAGT
 GTTACCAGAAGAGAAAGTGGTTGTCTTTCTTAAGGATGCGTCTAGAAGGACAGGGGATGAGAAAGGTG
 GGAAGCAATCCCTGAAGGCTCGCATATCAAGACAATGAGCAGGCTTTATATGAGTTGGTTAAATGCAGC
 TTTGATACGGAAGAAGCCTTGAGAAGACTGAGATTTAATGTCAAAGCAGCTCGAGAGGAGTTATCTGTGT
 GGACAGAGGAAGAGTGTAGAAATTTTGACAAGGGCTGAAGGCCTATGAAAAAGATTTTCATCTGATTCA
 GGCTAATAAAGTCCGAACAAGATCAGTTGGTGAATGTGTAGCATTCTATTACATGTGAAAAAGTCTGAG
 CGCTATGATTTCTTTGCTCAGCAACAAGTTTGAAAAAAGAAATATAATCTTCATCCTGGTGTAAACGG
 ATTACATGGATCGTCTTTGGATGAAAGTGAAAGTGCTGCTTCTAGCCGAGCACCATCCCCCTCCCAC
 TGCTCAAATAGCAGTAACAGCCAGTCCGAGAAAGAAGATGGCGCTGTCAGCAGTAGGAATCAGAACGGT
 GTCTCATCTAATGGACCAGGAGAAATACTAAACAAGAAGAAGTAAAAGTTGAAGGGTTACATGTTAATG
 GACCAACAGGTGGAAATAAGAAACCACTTCTTACAGATATGGACACTAATGGTTATGAAGCAAATAACCT
 GACCACTGACCAAAAACCTGCCCATATGACTGCAAGAAATGAAAATGATTTTGATGAAAAAATGAGAGA
 CCTGCCAAAAGGCGCGGATAAACAGCAGTGGGAAAGAAGTCCGGGCTCATCTGAGTTTTTCCAGGAAG
 CAGTCTCACATGGGAAGTTGAGGAACATGAAAACACGAATGAC**TAA**

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites: Sgfl-Mlul

ACCN: NM_001286222

Insert Size: 1587 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_001286222.1, NP_001273151.1</u>
RefSeq Size:	4835 bp
RefSeq ORF:	1587 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 (3) differs in the 5' UTR, initiates translation at an alternate start codon and lacks an alternate exon in the 5' coding region, compared to variant 4. Variants 1 and 3 encode the same isoform (a), which is shorter and has a distinct N-terminus, compared to isoform c. Sequence Note: This RefSeq record was created from transcript and genomic sequence data to make the sequence consistent with the reference genome assembly. The genomic coordinates used for the transcript record were based on transcript alignments.</p>