

Product datasheet for **MC228290**

Mier1 (NM_001286221) Mouse Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Mier1 (NM_001286221) 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: >MC228290 representing NM_001286221
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**GCGATCGCC**

ATGTGCATCAGATGTTTATGTTAATTGGTTTACAGACTGTCTCTGGATTCTTTCTGTCAAATTACAA
 GCCATCTGTTGAGTCTTCAAGTCCAGGGTGAATATAAGTGTGGCCTGCTCTGTGAAAACACTTCATTGTT
 GATTGCTAATGTGAGAAGAAAAGTTTCAGGAGGCTCAGCAACATCAGAGGACCATGAGTTTGATCCATCA
 GCTGACATGCTGGTTCATGATTTTGATGATGAGCGAACATTAGAAGAAGAAGAAATGATGGAAGGAGAGA
 CAAACTTCAGTTCTGAAATAGAGGATCTTGCGAGGGAAGGCGACATGCCAATCCACGAGCTGCTCAGCCT
 CTATGGTTATGACAGCACTGTTTCGGTTACCTGAGGAAGAGGAGGAGGAAGAGGAGGAGGAGGAAAGGTGAA
 GATGATGAAGATGCTGATAATGATGATAACAGTGGCTGTAGTGGAGAAAAATAAGAAGAGAATATAAAGG
 ATTCATCGGGTCAGGAGGATGAAACTCAGTCTTCCAATGATGATCCCTCACAGTCTGTTACTTCCCAAGA
 TGCTCAGGAAATAATCCGCCACGTCGATGTAATATTTTGATACAAATAGTAAATAGAAGAAGAAATCT
 GAAGAAGATGAAGATTATATCCCTCAGAAGACTGGAAAAAGGAAATCATGGTGGGCTCCATGTTTCAAG
 CTGAGATTCCAGTTGGTGTGTTAGATACAAAGAAAATGAAAAAGTGTATGAAAAATGATGATCAGCTTCT
 GTGGGATCCAGAGTGTACCAGAAGAGAAAAGTGGTTGTCTTTCTTAAGGATGCGCTAGAAAGGACAGGG
 GATGAGAAAGGTGTGGAAGCAATCCCTGAAGGCTCGCATATAAGACAATGAGCAGGCTTTATATGAGT
 TGGTTAAATGCAGCTTTGATACGGAAGAAGCCTTGAGAAGACTGAGATTTAATGTCAAAGCAGCTCGAGA
 GGAGTTATCTGTGTGGACAGAGGAAGAGTGTAGAAATTTGAGCAAGGGCTGAAGGCCTATGAAAAAGAT
 TTTTCATCTGATTCAGGCTAATAAAGTCCGAACAAGATCAGTTGGTGAATGTGTAGCATTCTATTACATGT
 GGAAAAAGTCTGAGCGCTATGATTTCTTTGCTCAGCAACAAGTTTGGAAAAAGAAATATAATCTTCA
 TCCTGGTGTAAACGATTACATGGATCGTCTTTTGGATGAAAGTGAAAGTGTCTTCTAGCCGAGCACCA
 TCCCCCTCCACTGCCTCAAATAGCAGTAACAGCCAGTCCGAGAAAGAAGATGGCGCTGTGAGCAGTA
 GGAATCAGAACGGTGTCTCATCTAATGGACCAGGAGAAAATACTAAACAAGAAGAAGTAAAAGTTGAAGG
 GTTACATGTTAATGGACCAACAGGTGGAATAAGAAACCACTTCTTACAGATATGGACACTAATGGTTAT
 GAAGCAAATAACCTGACCACTGACCCAAAACCTGCCCATATGACTGCAAGAAATGAAAATGATTTTGATG
 AAAAAATGAGAGACCTGCCAAAAGGCGCGGATAAACAGCAGTGGGAAAGAAAGTCCGGGCTCATCTGA
 GTTTTTCCAGGAAGCAGTCTCACATGGGAAGTTTGAGGAACATGAAAACACGAATGACTAA

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

- Restriction Sites:** Sgfl-Mlul
- ACCN:** NM_001286221
- Insert Size:** 1671 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:

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_001286221.1](#), [NP_001273150.1](#)

RefSeq Size: 4781 bp

RefSeq ORF: 1671 bp

Locus ID: 71148

UniProt ID: [Q5UAK0](#)

Cytogenetics: 4 C6

Gene Summary: 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]
Transcript Variant: This variant (4) encodes the longest 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.