

## Product datasheet for **MC218416**

### Mier2 (NM\_027422) Mouse Untagged Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	Mier2 (NM_027422) Mouse Untagged Clone
Tag:	Tag Free
Symbol:	Mier2
Synonyms:	2700087H15Rik; mKIAA1193
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



[View online »](#)

**Fully Sequenced ORF:** >MC218416 representing NM\_027422  
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
 GCC**CGGATCGCC**

ATGGCGGAGGCCCTCTCTGGAGAGGCAGAGTCTCGTGTGGCCTCTGCCTTGTACACAGCCTGTGTC  
 CTCGGGAGCCAGCTTGCAGACCACGGCAGTGGTATCCATGGGCTCTGCCGACCATCAGTTCAACCTTGC  
 TGAGCTCTGACGCAGAACTACAACCTCCAAGAAGGGTGTGCTGAGGCCCGCAGTGTCTTGACAAGCCG  
 GAGGAGGAGCTGGACAAGGACTTCATTGACCAGAGCAGTGACATGCCCTGGACGAGCTGCTTGCCTGT  
 ATGGGTACGAGTCGTGACACCCATCTCTGAGCAGGAGAGTGAAGGCGGTGACACGGCTCCAGCCCTGCC  
 GGACATGACCTTGGACAAGATAGCCAAGGACTTGCTTTCTGGGAAGAAGAGGAAGAAACACAGTCTCC  
 GCTGATGACCTCACCCCGTCTGTACCTCCATGAGGCCCTGGACCTCTCCATAACCAGAGTGGGTCCC  
 GGTTCCTGGCTGGTGATAATGGCCAGGCTCCTCAGCCTCCTGACACTGAAGAGGACGCGCTTCTCTGC  
 CAACAAGTGCAAGAAGGAGATCATGGTAGGGCCTCAATCCAAGCTGACCTCAACATCCTGCACTGAAC  
 CGACATTGTGACAAGATCTATGAAAATGAAGACCAGCTGCTGTGGAGCCCAAGTGTACTCCAGAGCGGG  
 AGGTGGAGGAGTTCCTGTACAGGCGAGTAAACCGAGGTGGCAGGAGATGGCTGGCCCCAGATCCCAGA  
 GGGCGAGGTGGTGAAGGACAGTGAGCAGGCGCTGTATGAGCTCGTGAAGTGTAATTTCAACGTGGAGGAG  
 GCCCTGCGCAGGCTGAGGTTCAACGTAAGAGTATCAGAGATGGGCTCTGTGCCTGGAGCGAGGAGGAGT  
 GCAGGAACCTTTGAACATGGCTTCCGTGTTTCAATGGGAAGAACTTTTCACTGATTACAGGCAACAAGGTACG  
 CACGCGGTCCGTGGGCGAGTGTGTGGAGTATTATTACCTGTGGAAGAAGTCTGAGCGCTACGACTACTTT  
 GCCCAGCAGACACGGCTGGCCCGGAGGAAGTTTGTCTCCTCTGGAACCACGGATACTGAACAGGACCTAG  
 ATGGGCTTGACCCCGATGGCCATGCCCGCTGCATTCTGAGGCAGGGGTGCCTGTGGAGCCCTGAATGT  
 GGACATTGAAGCTGGTGGACTTGACCAGCCTGGGCTGGGCTCGGATGACCTCCCTTCTCAGAGCCAGGA  
 CCGCGTCCATTCCAGCAGCTGGACGAACCCCTGCTGTGCCCTCGCTCCAGCAGCCCACTAGCCTGGCCG  
 CCTCAGCTGAACTCCCACCGGGCTGCAGCTGCTCCAGAGCCGGGCACTAGCCCCAGGCTGCCTGTGGA  
 CCTTGCCCTACCCGAGGAGCTGCCCTTGTGTCCAGCCCTGTGGCTCTGAGCGAGGACACTGCAGAGCCC  
 ATGGCTCCAGCACAGGTGGCCTTGTGGTCACTGAATTTGGACTCATTGGCATTGGGGATGTGAATCCCT  
 TCCTAACTGGCCACCCAGCGTGCCAACCTCCACTGCACTCGGAGCCCTTGTACAGTGAATGTGAT  
 GACCTGT**TGA**

**ACGCGT**ACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
 ACAAGGATGACGACGATAAGGTTTAA

**Restriction Sites:** Sgfl-MluI

**ACCN:** NM\_027422

**Insert Size:** 1620 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:**

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\\_027422.3](#), [NP\\_081698.2](#)

**RefSeq Size:** 2625 bp

**RefSeq ORF:** 1620 bp

**Locus ID:** 70427

**UniProt ID:** [Q3U3N0](#)

**Cytogenetics:** 10 C1

**Gene Summary:** Transcriptional repressor.[UniProtKB/Swiss-Prot Function]

Transcript Variant: This variant (2) uses an alternate in-frame splice junction compared to variant 1. The resulting isoform (2) has the same N- and C-termini but is 2 aa shorter compared to isoform 1.