

## Product datasheet for **MR230393**

### **Mier1 (NM\_001286222) Mouse Tagged ORF Clone**

#### **Product data:**

Product Type:	Expression Plasmids
Product Name:	Mier1 (NM_001286222) Mouse Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Mier1
Synonyms:	4933425I22Rik; 5830411K19Rik; er1
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



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**ORF Nucleotide Sequence:**

>MR230393 representing NM\_001286222  
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTGACTGGATCCGGTACCGAGGAGATCTGCC  
 GCC**CGCATCGCC**

ATGTTTATGTTTAAATTGGTTTACAGACTGTCTCTGGATTCTTTCTGTCAAATTACAAGCCATCTGTTG  
 AGTCTTCAAGTCCAGGAGCTCAGCAACATCAGAGGACCATGAGTTTGATCCATCAGCTGACATGCTGGT  
 TCATGATTTTGTGATGAGCGAACATTAGAAGAAGAAGAAATGATGGAAGGAGAGACAACTTCAGTTCT  
 GAAATAGAGGATCTTGCAGGGAAGGCGACATGCCAATCCACGAGCTGCTCAGCCTCTATGGTTATGACA  
 GCACTGTTTCGGTTACCTGAGGAAGAGGAGGAGGAAGAGGAGGAGGAAAGTGAAGATGATGAAGATGC  
 TGATAATGATGATAACAGTGGCTGTAGTGGAGAAAATAAAGAAGAGAATATAAAGGATTCATCGGGTCAG  
 GAGGATGAACTCAGTCTTCCAATGATGATCCCTCACAGTCTGTTACTTCCAAGATGCTCAGGAAATAA  
 TCCGCCACGTCGATGTAATATTTTGATACAAATAGTAAATAGAAGAAGAAATGAAGAAGATGAAGA  
 TTATATCCCTCAGAAGACTGAAAAAGGAAATCATGGTGGGCTCCATGTTTCAAGCTGAGATCCAGTT  
 GGTGTTTGTAGATACAAAGAAAATGAAAAAGTGTATGAAAATGATGATCAGCTTCTGTGGGATCCAGAGT  
 GTTACCAGAAGAGAAAGTGGTTGTCTTCTTAAGGATGCGTCTAGAAGGACAGGGGATGAGAAAGGTG  
 GGAAGCAATCCCTGAAGGCTCGCATATCAAAGCAATGAGCAGGCTTTATAGTGGTTAAATGCAGC  
 TTTGATACGGAAGAAGCCTTGAGAAGACTGAGATTTAATGTCAAAGCAGCTCGAGAGGAGTTATCTGTGT  
 GGACAGAGGAAGAGTGTAGAAATTTTGAGCAAGGGCTGAAGGCCTATGAAAAAGATTTTCATCTGATTCA  
 GGCTAATAAAGTCCGAACAAGATCAGTTGGTGAATGTGTAGCATTCTATTACATGTGAAAAAGTCTGAG  
 CGCTATGATTTCTTTGCTCAGCAACAAGTTTGGAAAAAAGAAATATAATCTTCATCTGGTGTAAACGG  
 ATTACATGGATCGTCTTTGGATGAAAGTGAAAGTGCTGCTTCTAGCCGAGCACCATCCCCCTCCCAC  
 TGCTCAAATAGCAGTAACAGCCAGTCCGAGAAAGAAGATGGCGCTGTCAGCAGTAGGAATCAGAACGGT  
 GTCTCATCTAATGGACCAGGAGAAATACTAAACAAGAAGAAAGTAAAAGTTGAAGGGTTACATGTTAATG  
 GACCAACAGTGGAAATAAGAAACCACTTCTTACAGATATGGACACTAATGGTTATGAAGCAAATAACCT  
 GACCACTGACCCAAAACCTGCCCATATGACTGCAAGAAATGAAAATGATTTTGTAAAAAATGAGAGA  
 CCTGCCAAAAGGCGCGGATAAACAGCAGTGGGAAAGAAAGTCCGGGCTCATCTGAGTTTTTCCAGGAAG  
 CAGTCTCACATGGGAAGTTTGGGAACATGAAAACACGAATGAC

**ACGCGT**ACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCTGGATT  
 ACAAGGATGACGACGATAAGGTTTAA

**Protein Sequence:**

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MFMFNWF TDCLWILFLSNYKPSVESSSPGGSATSEDFHFDPSADMLVHDFDDETL EEEEEEMMEGETNFSS  
 EIEDLAREGDMPIHELLSLYGYDSTVRLPEEEEEEEEEEGEDDEDADNDNDNSGCSGENKEENIKDSSGQ  
 EDETQSSNDPSQSVTSQDAQEIIRPRRCKYFDTNSEIEESEEDEDYIPSEDWKKEIMVGSFMFQAEIPV  
 GVCRYKENEKVYENDDQLLWDPECLPEEKVVVFLKDASRRTGDEKGV EAIPEGSHIKDNEQALYELVKCS  
 FDTEELRRLRFNVKAAREELSVWTEEECRNFEQGLKAYGKDFHLIQANKVRTRSVGECVAFYMWKSE  
 RYDFFAQQTRFGKKYNLHPGVTDYMDRLLDESESAASSRAPSPPTASNSSNSQSEKEDGAVSSRNQNG  
 VSSNGPGEILNKEEVKVEGLHVNGPTGGNKPLLTDMDTNGYEANL TDPKLAHMTARNENDFDEKNER  
 PAKRRRINSSGKESPGSSEFFQEA VSHGKFEEHENTND

**TR**TRPLEQKLI SEEDLAANDILDYKDDDDKV

**Restriction Sites:**

Sgfl-MluI

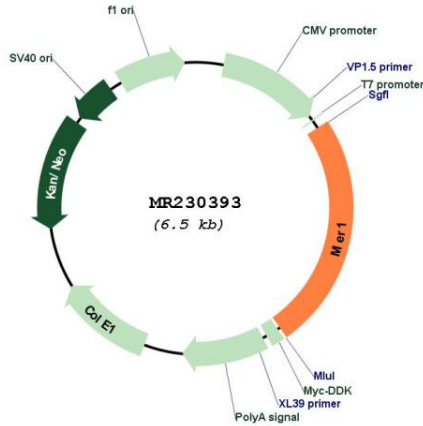


**Cytogenetics:** 4 C6

**MW:** 60.6 kDa

**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]

**Product images:**



Circular map for MR230393