OriGene Technologies, Inc.
9620 Medical Center Drive, Ste 200
Rockville, MD 20850, US
Phone: +1-888-267-4436
https://www.origene.com
techsupport@origene.com
EU: info-de@origene.com
CN: techsupport@origene.cn

Product datasheet for MC228102

Mier1 (NM_001286223) Mouse Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Mier1 (NM_001286223) Mouse Untagged Clone
Tag:	Tag Free
Symbol:	Mier1
Synonyms:	4933425I22Rik; 5830411K19Rik; er1
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)

View online »

This product is to be used for laboratory only. Not for diagnostic or therapeutic use.
©2024 OriGene Technologies, Inc., 9620 Medical Center Drive, Ste 200, Rockville, MD 20850, US

Fully Sequenced ORF:

>MC228102 representing NM_001286223
Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCCGCGATCGCC

ATGCTGCCATCTGTTGAGTCTTCAAGTCCAGGAGGCTCAGCAACATCAGAGGACCATGAGTTTGATCCAT
CAGCTGACATGCTGGTTCATGATTTTGATGATGAGCGAACATTAGAAGAAGAAGAAATGATGGAAGGAGA
GACAAACTTCAGTTCTGAAATAGAGGATCTTGCGAGGGAAGGCGACATGCCAATCCACGAGCTGCTCAGC
CTCTATGGTTATGACAGCACTGTTCGGTTACCTGAGGAAGAGGAGGAGGAAGAGGAGGAGGAGGAAGGTG
AAGATGATGAAGATGCTGATAATGATGATAACAGTGGCTGTAGTGGAGAAAATAAAGAAGAGAATATAAA
GGATTCATCGGGTCAGGAGGATGAAACTCAGTCTTCCAATGATGATCCCTCACAGTCTGTTACTTCCCAA
GATGCTCAGGAAATAATCCGCCCACGTCGATGTAAATATTTTGATACAAATAGTGAAATAGAAGAAGAAT
CTGAAGAAGATGAAGATTATATTCCCTCAGAAGACTGGAAAAAGGAAATCATGGTGGGCTCCATGTTTCA
AGCTGAGATTCCAGTTGGTGTTTGTAGATACAAAGAAAATGAAAAAGTGTATGAAAATGATGATCAGCTT
CTGTGGGATCCAGAGTGTTTACCAGAAGAGAAAGTGGTTGTCTTTCTTAAGGATGCGTCTAGAAGGACAG
GGGATGAGAAAGGTGTGGAAGCAATCCCTGAAGGCTCGCATATCAAAGACAATGAGCAGGCTTTATATGA
GTTGGTTAAATGCAGCTTTGATACGGAAGAAGCCTTGAGAAGACTGAGATTTAATGTCAAAGCAGCTCGA
GAGGAGTTATCTGTGTGGACAGAGGAAGAGTGTAGAAATTTTGAGCAAGGGCTGAAGGCCTATGGAAAAG
ATTTTCATCTGATTCAGGCTAATAAAGTCCGAACAAGATCAGTTGGTGAATGTGTAGCATTCTATTACAT
GTGGAAAAAGTCTGAGCGCTATGATTTCTTTGCTCAGCAAACAAGGTTTGGAAAAAAGAAATATAATCTT
CATCCTGGTGTAACGGATTACATGGATCGTCTTTTGGATGAAAGTGAAAGTGCTGCTTCTAGCCGAGCAC
CATCCCCCCCTCCCACTGCCTCAAATAGCAGTAACAGCCAGTCCGAGAAAGAAGATGGCGCTGTCAGCAG
TAGGAATCAGAACGGTGTCTCATCTAATGGACCAGGAGAAATACTAAACAAAGAAGAAGTAAAAGTTGAA
GGGTTACATGTTAATGGACCAACAGGTGGAAATAAGAAACCACTTCTTACAGATATGGACACTAATGGTT
ATGAAGCAAATAACCTGACCACTGACCCAAAACTTGCCCATATGACTGCAAGAAATGAAAATGATTTTGA
TGAAAAAAATGAGAGACCTGCCAAAAGGCGGCGGATAAACAGCAGTGGGAAAGAAAGTCCGGGCTCATCT
GAGTTTTTCCAGGAAGCAGTCTCACATGGGAAGTTTGAGGAACATGAAAACACGAATGACTAA

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites: SgfI-MluI

ACCN: NM_001286223

Insert Size: 1533 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).

This product is to be used for laboratory only. Not for diagnostic or therapeutic use.
©2024 OriGene Technologies, Inc., 9620 Medical Center Drive, Ste 200, Rockville, MD 20850, US

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_001286223.1, NP_001273152.1
RefSeq Size:	4631 bp
RefSeq ORF:	1533 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 (5) differs in the 5' UTR, lacks an alternate exon in the 5' coding region and initiates translation at an alternate start codon, compared to variant 4. It encodes isoform d, which is shorter and has a distinct N-terminus, compared to isoform c.

This product is to be used for laboratory only. Not for diagnostic or therapeutic use.
©2024 OriGene Technologies, Inc., 9620 Medical Center Drive, Ste 200, Rockville, MD 20850, US