

Product datasheet for **RC228399**

MIER1 (NM_001146112) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	MIER1 (NM_001146112) Human Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	MIER1
Synonyms:	ER1; MI-ER1
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



[View online »](#)

ORF Nucleotide Sequence:

>RC228399 representing NM_001146112
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGCATCGCC**

ATGCTGGTTCATGATTTTGTATGATGAACGAACATTAGAAGAGGAAGAAATGATGGAAGGAGAAACAACT
 TCAGCTCTGAAATAGAAGATCTTGCAAGGGAAGGCGACATGCCAATTCATGAACTTCTCAGCCTTTATGG
 TTATGGTAGTACTGTTCCGACTACCTGAAGAAGATGAGGAAGAGGAAGAAGAGGAAGAAGAAGGTGAAGAT
 GATGAAGATGCTGATAATGATGACAACAGTGGCTGTAGTGGGAAAAATAAGAGGAGAATATAAAGGATT
 CATCAGGTGAGGAGGATGAACTCAGTCTTCCAATGATGATCCATCACAATCTGTTGCTTCTCAAGATGC
 CCAGGAAATAATCCGCCACGTCGATGTAATATTTTGTACAAAATAGTGAAGTAGAAGAAGAATCTGAA
 GAAGATGAAGATTATATCCATCAGAAGACTGGAAAAAGGAGATTATGGTGGCTCCATGTTTCAAGCAG
 AAATCCAGTTGGCATTGTAGATACAAAGAAAATGAAAAAGTATATGAAAATGATGATCAGCTCCTGTG
 GGACCCTGAGTACTTACCAGAAGATAAAGTGATTATATTTCTTAAAGATGCATCTAGAAGAACAGGTGAT
 GAGAAGGGTGTAGAAGCAATTCCTGAAGGATCTCATATAAAGACAATGAACAGGCTTTATATGAATTGG
 TTAATGCAATTTTGTACAGAAGAAGCATTGAGAAGATTAAGATTTAATGTAAGCAGCTAGAGAGGA
 ATTATCTGTTTGGACAGAGGAAGAGTGTAGAAATTTGAACAAGGGCTGAAGGCCTATGGAAGGATTTT
 CATTGATTGAGGCTAATAAAGTCCGAACAAGGTCAGTTGGTGAATGTGTAGCATTCTATTACATGTGGA
 AAAATCTGAACGTTATGATTTCTTTGCTCAGCAAACAGGATTTGGAAAGAAGAAATATAATCTTCATCC
 TGGTGTAAACGGATTACATGGATCGTCTTCTAGACGAAAGTGAAGTGTGCATCTAGTCGAGCACCATCC
 CCTCCCCAACTGCATCAAACAGTAGTAACAGCCAGTCTGAGAAAGAAGATGGCACTGTAAGCACTGCTA
 ATCAAAAATGGAGTGTCTAATGGACCAGGTGAAATATTAACAAAGAGGAAGTAAAAGTTGAAGGTT
 ACACATTAATGGACCAACAGGTGGAAATAAGAAACCACTTCATGCAGATATGGATACTAATGTTTATGAA
 ACAGATAACCTTACCAGTACCCAAAACCTGCCCATATGACTGCAAGAAATGAAAATGATTTTGTAGAAA
 AAAGTGAGAGACCTGCCAAAAGGCGAAGGGTAAACAGCAATGGAAAAGAAAGTCCAGGTTCTTCTGAATT
 TTTCCAAGAAGCAGTCTCACATGGGAAATTTGAAGAAGTGAACACAGATGAC

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence:

>RC228399 representing NM_001146112
 Red=Cloning site Green=Tags(s)

MLVHDFDDERTLEEEEMMEGETNFSSEIEDLAREGDMPIHELLSLYGYGSTVRLPEEDEEEEEEEEEEGD
 DEDADNDDNSGCSGENKEENIKDSSGQEDETQSSNDPSQSVASQDAQEIRPRRCKYFDTNSEVEEESE
 EDYIPSEDWKKEIMVGSMFQAEIPVIGICRYKENEKVYENDDQLLWDPEYLPEDKVIIFLKDASRRRTGD
 EKGV EAIPEGSHIKDNEQALYELVKCNFDTEALRRLRFNVKAAREELSVWTEEECRNFEQGLKAYGKDF
 HLIQANKVTRRSVGEVAFYMWKKSERYDFFAQQTRFGKKYNLHPGVTDYMDRLLDESESAASSRAPSS
 PPPTASNSNSQSEKEDGTVSTANQNGVSSNGPGEILNKEEVKVEGLHINGPTGGNKKPLHADMDTNGYE
 TDNLTTDPKLAHMTARNENDFDEKSERPAKRRRVNSNGKESPGSSEFFQEAVSHGKFEELNTDD

TRTRPLEQK**L**ISEEDLAANDILDYKDDDDK**V**

Chromatograms:

https://cdn.origene.com/chromatograms/mk8064_h05.zip

Restriction Sites:

Sgfl-MluI

Cloning Scheme:


ACCN: NM_001146112

ORF Size: 1455 bp

OTI Disclaimer: The molecular sequence of this clone aligns with the gene accession number as a point of reference only. However, individual transcript sequences of the same gene can differ through naturally occurring variations (e.g. polymorphisms), each with its own valid existence. This clone is substantially in agreement with the reference, but a complete review of all prevailing variants is recommended prior to use. [More info](#)

OTI Annotation: This clone was engineered to express the complete ORF with an expression tag. Expression varies depending on the nature of the gene.

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_001146112.2](#)

RefSeq ORF: 1458 bp

Locus ID: 57708

UniProt ID: [Q8N108](#)

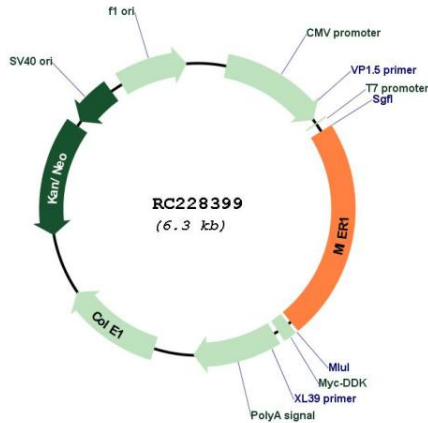
Cytogenetics: 1p31.3

MW: 55.1 kDa

Gene Summary:

This gene encodes a protein that was first identified in *Xenopus laevis* by its role in a mesoderm induction early response (MIER). The encoded protein functions as a transcriptional regulator. Alternatively spliced transcript variants encode multiple isoforms, some of which lack a C-terminal nuclear localization signal. [provided by RefSeq, May 2013]

Product images:



Circular map for RC228399