

Product datasheet for **RC229242**

MIER1 (NM_001077703) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	MIER1 (NM_001077703) 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)



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ORF Nucleotide Sequence:

>RC229242 representing NM_001077703
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGCATCGCC**

ATGGATGGGGCTTCTTCAGGCGGTGGCGGCAGCAGCGAAGGTGGCGGCGGCAGCAGCGGCAGCGGCTATG
 GTGTGGTCGCTCGATTCTCCAGTGCCTGGCTGAGTTTCGGACGTGGTTAAGAACCAACTGGTTGAGGTT
 CAATGCAGACAAGACGGATGTGATGCTGCCATCTGTTGAATCTTCAAGTCCAGGAGGTTCAAGCAACATCA
 GATGACCATGAATTTGATCCATCAGCTGACATGCTGGTTCATGATTTTATGATGAACGAACATTAGAAG
 AGGAAGAAATGATGGAAGGAGAAACAACTTCAGCTCTGAAATAGAAGATCTTGAAGGGAAGGCGACAT
 GCCAATTCATGAACCTTCAGCCTTTATGGTTATGGTAGTACTGTTGACTACCTGAAGAAGATGAGGAA
 GAGGAAGAAGAGGAAGAAGAAGGTGAAGATGATGAAGTGTGATAATGATGACAACAGTGGCTGTAGTG
 GGGAAAAATAAGAGGAGAATAAAGGATTCATCAGGTCAGGAGGATGAAACTCAGTCTTCCAATGATGA
 TCCATCACAATCTGTTGCTTCTCAAGATGCCAGGAAATAATCCGCCACGTCGATGTAATATTTTATGAT
 ACAAATAGTGAAGTAGAAGAAGAATCTGAAGAAGATGAAGATTATATTCCATCAGAAGACTGGAAAAAGG
 AGATTATGGTGGGCTCCATGTTTCAAGCAGAAATTCAGTTGGCATTGTAGATACAAAGAAAAATGAAAA
 AGTATATGAAAATGATGATCAGCTCCTGTGGGACCCTGAGTACTTACCAGAAGATAAAGTGATTATATTT
 CTTAAAGATGCATCTAGAAGAACAGGTGATGAGAAGGGTGTAGAAGCAATTCCTGAAGGATCTCACATAA
 AAGACAATGAACAGGCTTTATATGAATTGGTTAAATGCAATTTTGTATACAGAAGAAGCATTGAGAAGATT
 AAGATTTAATGTAAAAGCAGCTAGAGAGGAATTATCTGTTGGACAGAGGAAGAGTGTAGAAATTTTGA
 CAAGGGCTGAAGGCTATGGAAGGATTTTCAATTTGATTACAGGCTAATAAAGTCCGAACAAGGTCAGTTG
 GTGAATGTGTAGCATTCTATTACATGTGGAATAAATCTGAACGTTATGATTTCTTTGCTCAGCAACAC
 ATTTGGAAGAAGAATAAATCTTCACTGGTGTAAACGGATTACATGGATCGTCTTCTAGACGAAAGT
 GAAAGTGTGCATCTAGTCGAGCACCATCCCCTCCCCAACTGCATCAAACAGTAGTAACAGCCAGTCTG
 AGAAAGAAGATGGCACTGTAAGCACTGCTAATCAAATGGAGTGTATCTAATGGACCAGGCATACTCCA
 AATGCTTCTTCCAGTTCAATTTTTTTCAGCCATCAGTTCAAGAGCCAATGCCTTTTTAAAA

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence:

>RC229242 representing NM_001077703
 Red=Cloning site Green=Tags(s)

MDGASSGGGSSEGGGSSSGSYGVVARFSQCLAEFRTWLRTNWLRFNADKTDVMLPSVLESSPGGGATS
 DDHEFDPSADMLVHDFDDERTLEEEEMMEGETNFSSIEIDLAREGDMPIHELLSLYGYGSTVRLPEEDED
 EEEEEEGEDDEDADNDNSGCSGENKEENIKDSSGQEDTQSSNDDPSQSVASQDAQEIRPRRCKYFD
 TNSEVEESEEDEDYIPSEDWKEIMVGSFQAEIPVVICRYKENEKVYENDDQLLDPEYLPEDKVIIF
 LKDASRRGTGDEKVEAIEGSHIKDNEQALYELVKCNFDTEALRRLRFNVKAAREELSVWTEEECRNFE
 QGLKAYGKDFHLIQANKVTRSVGECVAFYMWKKSERYDFFAQQTRFGKKYNLHPGVTDYMDRLDES
 ESAASSRAPSPPTASNSNSQSEKEDGTVSTANQNGVSSNGPGILQMLLPVHFSAISSRANAFK

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Chromatograms:

https://cdn.origene.com/chromatograms/mk8064_h11.zip

Restriction Sites:

Sgfl-MluI

Cloning Scheme:


ACCN: NM_001077703

ORF Size: 1458 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_001077703.3](#)

RefSeq ORF: 1461 bp

Locus ID: 57708

UniProt ID: [Q8N108](#)

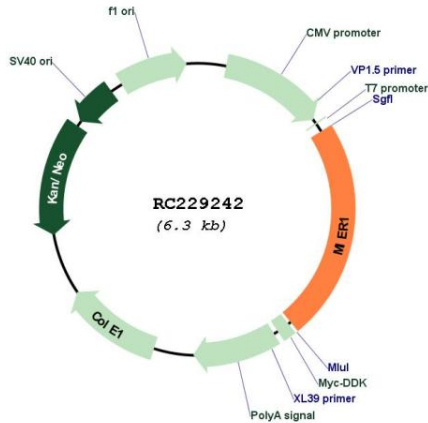
Cytogenetics: 1p31.3

MW: 54.4 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 RC229242