

Product datasheet for **MR208612**

Mier2 (NM_027422) Mouse Tagged ORF Clone

Product data:

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



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ORF Nucleotide Sequence:

>MR208612 representing NM_027422
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**GCGATCGCC**

ATGGCGGAGGCTCTCTCTGGAGAGGCAGAGTCTCGTGTGGCCTCTGCCTTGTACACAGCCTGTGTC
 CTCGGGAGCCAGCTTGCAGACCACGGCAGTGGTATCCATGGGCTCTGCCGACCATCAGTTCAACCTTGC
 TGAGCTCCTGACGCAGAACTACAACCTCCAAGAAGGGTGTGCTGAGGCCCGCAGTGTCTTGACAAGCCG
 GAGGAGGAGCTGGACAAGGACTTCATTGACCAGAGCAGTGACATGCCCTGGACGAGCTGCTTGCAGTGT
 ATGGGTACGAGTCGTGACACCCATCTCTGAGCAGGAGAGTGAAGGCGGTGACACGGCTCCAGCCCTGCC
 GGACATGACCTTGGACAAGATAGCCAAGGACTTGTCTTCTGGGAAGAAGAGGAAGAAACACAGTCTCC
 GCTGATGACCTCACCCGCTGTGACCTCCATGAGGCCCTGGACCTCTCCATAACCAGAGTGGTCCC
 GGTTCCTGGCTGGTATAATGGCCAGGCTCCTCAGCCTCCTGACACTGAAGAGGACGCGCTTCTCTGC
 CAACAAGTGCAAGAAGGAGATCATGGTAGGGCCTCAATCCAAGCTGACCTCAACATCCTGCACTGAAC
 CGACATTGTGACAAGATCTATGAAAATGAAGACCAGCTGCTGTGGAGCCCAAGTGTACTCCAGAGCGGG
 AGGTGGAGGAGTTCCTGTACAGGCAGTGAAACGGAGGTGGCAGGAGATGGCTGGCCCCAGATCCAGA
 GGGCGAGGTGGTGAAGGACAGTGAGCAGGCGCTGTATGAGCTCGTGAAGTGAATTTCAACGTGGAGGAG
 GCCCTGCGCAGGCTGAGGTTCAACGTAAGTGTATGAGATGGGCTCTGTGCCTGGAGCGAGGAGGAGT
 GCAGGAACCTTGAACATGGCTTCCGTGTTTATGGGAAGAACTTTCATCTGATTGAGGCCAACAAGGTACG
 CACGCGGTCCGTGGCGAGTGTGTGGAGTATTATTACCTGTGGAAGAAGTCTGAGCGCTACGACTACTTT
 GCCCAGCAGACAGGCTGGCCCGGAGGAAGTTTGTCTCCTCTGGAACACGGATACTGAACAGGACCTAG
 ATGGGCTTGACCCCGATGGCCATGCCCGCTGCATTCTGAGGCAGGGGTGCCTGTGGAGCCCTGAATGT
 GGACATTGAAGCTGGTGGACTTGACCAGCCTGGGCTGGGCTCGGATGACCTCCCTTCCCTCAGAGCCAGGA
 CCGCGTCCATTCCAGCAGCTGGACGAACCCCTGCTGTGCCCTCGCTCCAGCAGCCCACTAGCCTGGCCG
 CCTCAGCTGAACTCCCACCGCGGCTGCAGCTGCTCCAGAGCCGGGCACTAGCCCCAGGCTGCCTGTGGA
 CCTTGCCCTACCCGAGGAGCTGCCCTTGTGTCCAGCCCTGTGGCTCTGAGCGAGGACACTGCAGAGCCC
 ATGGCTCCAGCACAGGTGGCCTTGTGGTCACTGAATTTGGACTCATTGGCATTGGGGATGTGAATCCCT
 TCCTAACTGGCCACCCAGCGTGCCAACCTCCACTGCACTCGGAGCCCTTGTACAGTGAATGTGAT
 GACCTGT

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence:

>MR208612 representing NM_027422
 Red=Cloning site Green=Tags(s)

MAEASSLERQSPRVASCLVHSLCPREPSLQTTAVVSMGSADHQFNLAELLTQNYNLQEGCAEAPQCPDKP
 EEELDKDFIDQSSDMPLELLALYGYESSDPISEQESEGDTAPALPDMTLDKIAKDLLSGEEEEETQSS
 ADDLTPSVTSHEASDLFHNQSGSRFLAGDNGPGSSASSDTEEDALPANKCKKEIMVGPQFQADLNILHLN
 RHCDKIYENEDQLLWSPSVLPEREVEEFLYRAVKRRWQEMAGPQIPEGEVVKDSEQUALYELVKCNFNVEE
 ALRRLRFNVKVIIRDGLCAWSEEECRNFEHGFVHGKFNHLLIQANKVRTRSVGECVEYYYLWKKSERDYDF
 AQQTRLGRRKFVSSGTTDTEQDLDPDGHARLHSEAGVPVEPLNVDIEAGGLDQPGVGSDDLPSSEPG
 PRPFQQLDEPPAVPSLQQPTSLAASAELEPPAAAAAPEPGTSPRLPVDLALPEELPLVSSPVALSEDTAEP
 MAPAQVALSVTEFGLIGIDVNPFLTGHAPACTSTLHSEPLSQCNVMTCT

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Chromatograms:

https://cdn.origene.com/chromatograms/mm9078_d05.zip

Restriction Sites:

Sgfl-Mlul

Cloning Scheme:


ACCN: NM_027422

ORF Size: 1617 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_027422.3](#), [NP_081698.2](#)

RefSeq Size: 2588 bp

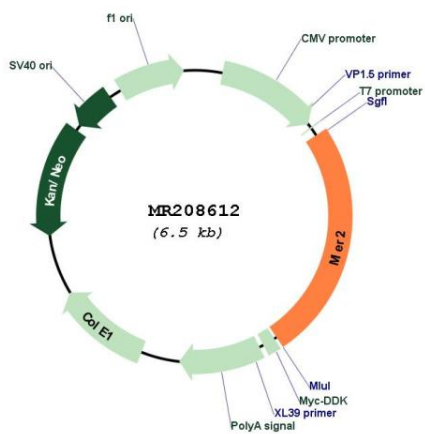
RefSeq ORF: 1620 bp

Locus ID: 70427

UniProt ID: [Q3U3N0](#)

Cytogenetics: 10 C1
 MW: 59 kDa
 Gene Summary: Transcriptional repressor.[UniProtKB/Swiss-Prot Function]

Product images:



Circular map for MR208612