

## Product datasheet for **SC304479**

### **MIER2 (NM\_017550) Human Untagged Clone**

#### **Product data:**

Product Type:	Expression Plasmids
Product Name:	MIER2 (NM_017550) Human Untagged Clone
Tag:	Tag Free
Symbol:	MIER2
Synonyms:	KIAA1193; Mi-er2
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



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**Fully Sequenced ORF:** >SC304479 representing NM\_017550.  
 Blue=Insert sequence Red=Cloning site Green=Tag(s)

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GCTCGTTTAGTGAACCGTCAGAATTTTGTAAACGACTCACTATAGGGCGGCCGGGAATTCGTGCGACTG
GATCCGGTACCGAGGAGATCTGCCGCCCGGATCGCC
ATGGCGGAGGCCCTCCTCGCTGGGAGGCAGAGTCCTCGCGTGGTCTCCTGCCTCGAGCACAGCCTGTGC
CCAGGGGAGCCGGGCTTGACAGAACTACAGTGTAGGGGGAGTGCGAGGAGGCCCTCGAGGTGCCAGACAAG
CCCAAGGAGGAGCTGGAGAAGGACTTCATCTCCAGAGCAACGACATGCCCTTTGATGAGCTGCTTGCG
CTCTATGGCTACGAGGCGTCAGACCCCATTTAGACCGGGAGAGTGAGGGTGGTACGCTGGCCCCGAAC
CTCCAGACATGACCCTGGACAAAGAACAATAGCGAAGGATTTGCTTTAGGGGAAGAAGAGGAAGAG
ACGCAATCATCTGCTGACGACCTCACCCCGTCCGTGACCTCCACGAGGCCCTCGACCTCTTCCCTAAC
CGGAGTGGATCTCGTTTCTGGCTGATGAAGACAGAGAGCCTGGCTCTTCTGCCTCCTCCGACCCGAG
GAGGACTCTTCTGCCAACAAATGTAAGAAGGAGATCATGGTGGGACCTCAGTTCCAAGCTGACCTC
AGCAACCTGCACCTGAACCGGCACTGTGAGAAGATCTACGAGAACGAAGACCAGCTGCTCTGGGACCCC
AGCGTCCCTCCCTGAGAGGGAGGTGGAGGAGTTCCTGTACAGGGCGGTGAAGCGGGCTTGGCACGAGATG
GCCGGGCTCAGCTCCCAGAGGGAGAAGCCGTGAAAGACAGTGAGCAGGCCGTGTACGAGTTGGTAAA
TGCAACTTCAATGTGGAGGAGGCCCTGCGAAGGCTGCGGTTAACGTGAAGGTGATCCGAGATGGGCTC
TGTGCTTGGAGTGAAGAGGAGTGCAGGAACCTTTGAGCACGGCTCCGTGTGCATGGAAAGAACTTTCAC
CTGATCCAGGCCAACAAAGGTGCGCACACGGTCACTGGGCGAGTGTGTGAGTACTACTACCTGTGGAAG
AAGTCGGAGCGCTACGACTACTTCGCCCAGCAGACGGCTGGGCCGGAGGAAGTACGTCCCGTCCGGA
ACCACGGACGCAGACCAGGACCTGGATGGCAGCGACCCCGATGGCCCCGGCCGTCCGCGCCCCGGACAA
GACACCCTGACTGGGATGCGCACAGATCCACTGAGCGTGGATGGCACGGCCGGTCTCGATGAGCCC
GGAGTGGCCTCTGATGGACTCCCGTCTCGGAGCCAGGGCCGTGTTCTTCCAGCAGCTGGATGAGTCC
CCCCTGTACCCCTGTCCATCGCCCCCAGCCCTGGCCGACCCAGCCTCATACCAGCCAGCTGTCACT
GCTCCGGAGCCAGACGCCAGCCAAAGGCTGGCCGTGGACTTCGCCTGCCAAGGAGCTGCCCTCATC
TCCAGCCATGTGGACCTCAGCGGGATCCGGAGGAGACTGTGGCCCCAGCACAGGTGGCTTTGTCCGTC
ACCGAGTTGGACTCATCGCATTGGGGACGTGAACCCCTTCTGGCCGCCACCCACGTGCCCGGC
CCCGGGCTACACTCGGAGCCCTGTCACTGTAACGTGATGACCTGTGA
ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCTGGAT
TACAAGGATGACGACGATAAGGTTAAACGGCCGGC
  
```

**Restriction Sites:** SgfI-MluI

**ACCN:** NM\_017550

**Insert Size:** 1638 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:** This TrueClone is provided through our Custom Cloning Process that includes sub-cloning into OriGene's pCMV6 vector and full sequencing to provide a non-variant match to the expected reference without frameshifts, and is delivered as lyophilized plasmid DNA.

**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\\_017550.1](#)

**RefSeq Size:** 2825 bp

**RefSeq ORF:** 1638 bp

**Locus ID:** 54531

**UniProt ID:** [Q8N344](#)

**Cytogenetics:** 19p13.3

**MW:** 59.9 kDa

**Gene Summary:** Transcriptional repressor.[UniProtKB/Swiss-Prot Function]  
Transcript Variant: This variant (1) represents the longer transcript and encodes the longer isoform (1).