

Product datasheet for **SC333404**

MIER1 (NM_001278215) Human Untagged Clone

Product data:

Product Type: Expression Plasmids
Product Name: MIER1 (NM_001278215) Human Untagged Clone
Tag: Tag Free
Symbol: MIER1
Synonyms: ER1; MI-ER1
Mammalian Cell Selection: Neomycin
Vector: pCMV6-Entry (PS100001)
E. coli Selection: Kanamycin (25 ug/mL)
Fully Sequenced ORF: >SC333404 representing NM_001278215.
Blue=Insert sequence **Red**=Cloning site **Green**=Tag(s)

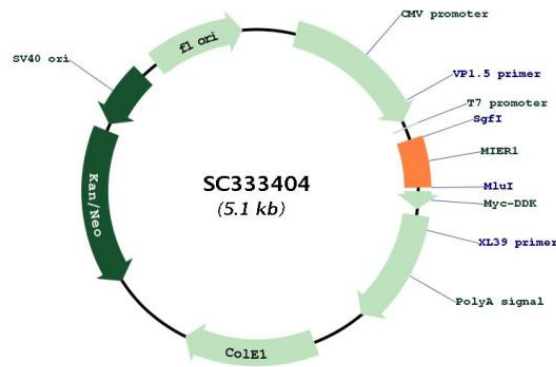
```
GCTCGTTTAGTGAACCGTCAGAATTTTGTAAACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTG
GATCCGGTACCGAGGAGATCTGCCGCCGCGATCGCC
ATGTTTATGTTAATTGGTTTACAGACTGTCTGTGGACTCTTTTCCTGTCAAATTACCAGCCATCTGTT
GAATCTTCAAGTCCAGGAGGTTTACAGCAACATCAGATGACCATGAATTTGATCCATCAGCTGACATGCTG
GTTTCATGATTTTGTATGATGAACGAACATTAGAAGAGGAAGAAATGATGGAAGGAGAAACAACTCAGC
TCTGAAATAGAAGATCTGCAAGGTAATAACATGTAG
ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGAT
TACAAGGATGACGACGATAAGGTTTAAACGGCCGGC
```

Restriction Sites: Sgfl-Mlul



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Plasmid Map:



ACCN: NM_001278215

Insert Size: 246 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).

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_001278215.1](#)

RefSeq Size: 2492 bp

RefSeq ORF: 246 bp

Locus ID: 57708

UniProt ID: [Q8N108](#)

Cytogenetics: 1p31.3

MW: 9.4 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]
Transcript Variant: This variant (11) lacks multiple 3' exons and its transcription extends past a splice site used in variant 1, resulting in a distinct 3' coding region and 3' UTR. The encoded isoform (j) has a shorter and distinct C-terminus, compared to isoform a. Sequence Note: This RefSeq record was created from transcript and genomic sequence data to make the sequence consistent with the reference genome assembly. The genomic coordinates used for the transcript record were based on transcript alignments.