

## Product datasheet for **RG235510**

### MIER1 (NM\_001278215) Human Tagged ORF Clone

#### Product data:

**Product Type:** Expression Plasmids  
**Product Name:** MIER1 (NM\_001278215) Human Tagged ORF Clone  
**Tag:** TurboGFP  
**Symbol:** MIER1  
**Synonyms:** ER1; MI-ER1  
**Mammalian Cell Selection:** Neomycin  
**Vector:** pCMV6-AC-GFP (PS100010)  
**E. coli Selection:** Ampicillin (100 ug/mL)  
**ORF Nucleotide Sequence:** >RG235510 representing NM\_001278215.  
Blue=ORF Red=Cloning site Green=Tag(s)

GCTCGTTTAGTGAACCGTCAGAATTTTGTAAACGACTCACTATAGGGCGCCGGGAATTCGTCGACTG  
 GATCCGGTACCGAGGAGATCTGCCGCCGCGATCGCC  
ATGTTTATGTTAATTGGTTTACAGACTGTCTGTGGACTCTTTTCCTGTCAAATTACCAGCCATCTGTT  
GAATCTTCAAGTCCAGGAGGTTTACAGCAACATCAGATGACCATGAATTTGATCCATCAGCTGACATGCTG  
GTTTCATGATTTTATGATGAACGAACATTAGAAGAGGAAGAAATGATGGAAGGAGAAACAACTTCAGC  
TCTGAAATAGAAGATCTTGAAGGTAATAACATG  
ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAAAC

**Protein Sequence:** >Peptide sequence encoded by RG235510  
Blue=ORF Red=Cloning site Green=Tag(s)

MFMFNWFDCLWTLFLSNYQPSVESSSPGGSATSDHFEFDPADMLVHDFDDERTLEEEEMMEGETNFS  
SEIEDLARVNNM  
TRTRPLEMESDESGLPAMEIECRITGTLNGVEFELVGGEGTPEQGRMTNKMKSTKGALTFSPYLLSHV  
MGYGFYHFGTYPSGYENPFLHAINNGGYNTRIEKYEDGGVLHVSFSYRYEAGRVI GDFKVMGTGFPEP  
SVIFTDKIIRS NATVEHLHPMGDNDLDGSFTRFSLRDGGYSSVVD SHMHFKSAIHP SILQNGGPMFA  
FRRVEEDHSNTELGIVEYQHAFKTPDADAGEERV

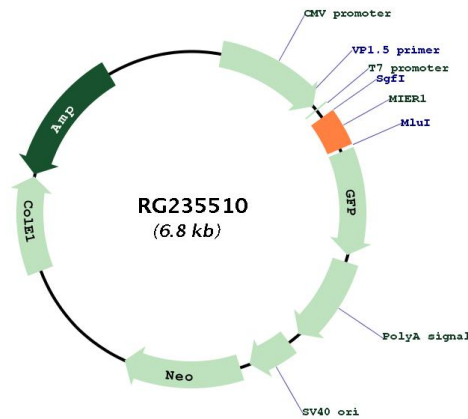
**Restriction Sites:** SgfI-MluI



Cloning Scheme:



Plasmid Map:



ACCN: NM\_001278215

ORF Size: 243 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](#)

<b>OTI Annotation:</b>	This clone was engineered to express the complete ORF with an expression tag. Expression varies depending on the nature of the gene.
<b>Components:</b>	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).
<b>RefSeq:</b>	<a href="#">NM_001278215.1</a> , <a href="#">NP_001265144.1</a>
<b>RefSeq Size:</b>	2492 bp
<b>RefSeq ORF:</b>	246 bp
<b>Locus ID:</b>	57708
<b>UniProt ID:</b>	<a href="#">Q8N108</a>
<b>Cytogenetics:</b>	1p31.3
<b>MW:</b>	9.8 kDa
<b>Gene Summary:</b>	This gene encodes a protein that was first identified in <i>Xenopus laevis</i> 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]