

Product datasheet for **SC315564**

MIER1 (NM_001077702) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	MIER1 (NM_001077702) Human Untagged Clone
Tag:	Tag Free
Symbol:	MIER1
Synonyms:	ER1; MI-ER1
Vector:	<u>pCMV6 series</u>
Fully Sequenced ORF:	>NCBI ORF sequence for NM_001077702, the custom clone sequence may differ by one or more nucleotides ATGCTGAAAATGTGCATCAGATGTTTATGTTAATTGGTTTACAGACTGTCTGTGGACTC TTTTCTGTCAAATTACCCAGCCATCTGTTGAATCTTCAAGTCCAGGAGGTTTCAGCAACA TCAGATGACCATGAATTTGATCCATCAGCTGACATGCTGGTTCATGATTTTGATGATGAA CGAACATTAGAAGAGGAAGAAATGATGGAAGGAGAAACAACTTCAGCTCTGAAATAGAA GATCTTGAAGGGAAGGCGACATGCCAATTCATGAACTTCTCAGCCTTTATGGTTATGGT AGTACTGTTCCGACTACCTGAAGAAGATGAGGAAGAGGAAGAAGAGGAAGAAGAAGGTGAA GATGATGAAGATGCTGATAATGATGACAACAGTGGCTGTAGTGGGAAAAATAAGAGGAG AATATAAAGGATTCATCAGGTCAGGAGGATGAACTCAGTCTTCCAATGATGATCCATCA CAATCTGTTGCTTCTCAAGATGCCAGGAAATAATCCGCCACGTCGATGTAAATATTTT GATACAAATAGTGAAGTAGAAGAAGAATCTGAAGAAGATGAAGATTATATCCATCAGAA GACTGGAAAAAGGAGATTATGGTGGGCTCCATGTTTCAAGCAGAAATCCAGTTGGCATT TGTAGATACAAAGAAAATGAAAAAGTATATGAAAATGATGATCAGCTCCTGTGGGACCCT GAGTACTTACCAGAAGATAAAGTGATTATATTTCTTAAAGATGCATCTAGAAGAACAGGT GATGAGAAGGGTGTAGAAGCAATTCCTGAAGGATCTCACATAAAAGACAATGAACAGGCT TTATATGAATTGGTTAAATGCAATTTTGATACAGAAGAAGCATTGAGAAGATTAAGATTT AATGTAAGAGCAGCTAGAGAGGAATTATCTGTTTGGACAGAGGAAGAGGTAGAAAATTTT GAACAAGGCTGAAGGCCTATGGAAAGGATTTTCATTTGATTCAGGCTAATAAAGTCCGA ACAAGGTCAGTTGGTGAATGTGTAGCATTCTATTACATGTGAAAAAATCTGAACGTTAT GATTTCTTTGCTCAGCAACACGATTTGGAAAGAAGAAATATAATCTTCATCCTGGTGTA ACGGATTACATGGATCGTCTTCTAGACGAAAGTAAAGTGTGCTGATCTAGTCGAGCACCA TCCCCTCCCCAACTGCATCAAACAGTAGTAACAGCCAGTCTGAGAAAGAAGATGGCACT GTAAGCACTGCTAATCAAATGGAGTGTCTAATGGACCAGGCATACTCCAAATGCTT CTTCCAGTTCATTTTCAGCCATCAGTTCAAGAGCCAATGCCTTTTTTAAAA
Restriction Sites:	Please inquire
ACCN:	NM_001077702



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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:	<ol style="list-style-type: none">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_001077702.1 , NP_001071170.1
RefSeq Size:	1804 bp
RefSeq ORF:	1374 bp
Locus ID:	57708
UniProt ID:	Q8N108
Cytogenetics:	1p31.3
Gene Summary:	<p>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]</p> <p>Transcript Variant: This variant (4) lacks an alternate segment in the 3' coding region, compared to variant 1. The resulting isoform (d) 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.</p>