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Product datasheet for RG223062

MIER1 (NM_001077704) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	MIER1 (NM_001077704) 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:

>RG223062 representing NM_001077704
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCCGCGATCGCC

ATGGCGGAGCCATCTGTTGAATCTTCAAGTCCAGGAGGTTCAGCAACATCAGATGACCATGAATTTGATC
CATCAGCTGACATGCTGGTTCATGATTTTGATGATGAACGAACATTAGAAGAGGAAGAAATGATGGAAGG
AGAAACAAACTTCAGCTCTGAAATAGAAGATCTTGCAAGGGAAGGCGACATGCCAATTCATGAACTTCTC
AGCCTTTATGGTTATGGTAGTACTGTTCGACTACCTGAAGAAGATGAGGAAGAGGAAGAAGAGGAAGAAG
AAGGTGAAGATGATGAAGATGCTGATAATGATGACAACAGTGGCTGTAGTGGGGAAAATAAAGAGGAGAA
TATAAAGGATTCATCAGGTCAGGAGGATGAAACTCAGTCTTCCAATGATGATCCATCACAATCTGTTGCT
TCTCAAGATGCCCAGGAAATAATCCGCCCACGTCGATGTAAATATTTTGATACAAATAGTGAAGTAGAAG
AAGAATCTGAAGAAGATGAAGATTATATTCCATCAGAAGACTGGAAAAAGGAGATTATGGTGGGCTCCAT
GTTTCAAGCAGAAATTCCAGTTGGCATTTGTAGATACAAAGAAAATGAAAAAGTATATGAAAATGATGAT
CAGCTCCTGTGGGACCCTGAGTACTTACCAGAAGATAAAGTGATTATATTTCTTAAAGATGCATCTAGAA
GAACAGGTGATGAGAAGGGTGTAGAAGCAATTCCTGAAGGATCTCACATAAAAGACAATGAACAGGCTTT
ATATGAATTGGTTAAATGCAATTTTGATACAGAAGAAGCATTGAGAAGATTAAGATTTAATGTAAAAGCA
GCTAGAGAGGAATTATCTGTTTGGACAGAGGAAGAGTGTAGAAATTTTGAACAAGGGCTGAAGGCCTATG
GAAAGGATTTTCATTTGATTCAGGCTAATAAAGTCCGAACAAGGTCAGTTGGTGAATGTGTAGCATTCTA
TTACATGTGGAAAAAATCTGAACGTTATGATTTCTTTGCTCAGCAAACACGATTTGGAAAGAAGAAATAT
AATCTTCATCCTGGTGTAACGGATTACATGGATCGTCTTCTAGACGAAAGTGAAAGTGCTGCATCTAGTC
GAGCACCATCCCCTCCCCCAACTGCATCAAACAGTAGTAACAGCCAGTCTGAGAAAGAAGATGGCACTGT
AAGCACTGCTAATCAAAATGGAGTGTCATCTAATGGACCAGGCATACTCCAAATGCTTCTTCCAGTTCAT
TTTTCAGCCATCAGTTCAAGAGCCAATGCCTTTTTAAAA

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA

View online »

Protein Sequence:

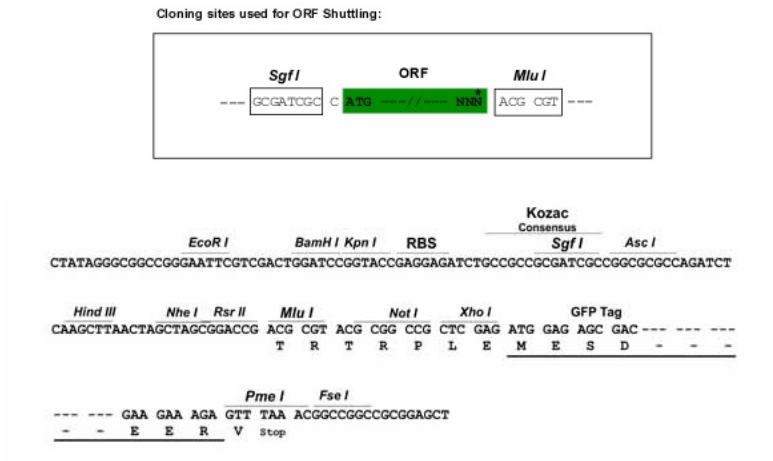
>RG223062 representing NM_001077704
Red=Cloning site Green=Tags(s)

MAEPSVESSSPGGSATSDDHEFDPSADMLVHDFDDERTLEEEEMMEGETNFSSEIEDLAREGDMPIHELL
SLYGYGSTVRLPEEDEEEEEEEEEGEDDEDADNDDNSGCSGENKEENIKDSSGQEDETQSSNDDPSQSVA
SQDAQEIIRPRRCKYFDTNSEVEEESEEDEDYIPSEDWKKEIMVGSMFQAEIPVGICRYKENEKVYENDD
QLLWDPEYLPEDKVIIFLKDASRRTGDEKGVEAIPEGSHIKDNEQALYELVKCNFDTEEALRRLRFNVKA
AREELSVWTEEECRNFEQGLKAYGKDFHLIQANKVRTRSVGECVAFYYMWKKSERYDFFAQQTRFGKKKY
NLHPGVTDYMDRLLDESESAASSRAPSPPPTASNSSNSQSEKEDGTVSTANQNGVSSNGPGILQMLLPVH
FSAISSRANAFLK

TRTRPLE - GFP Tag - V

Restriction Sites: SgfI-MluI

Cloning Scheme:



ACCN: NM_001077704

ORF Size: 1299 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_001077704.3

RefSeq Size: 1648 bp

RefSeq ORF: 1302 bp

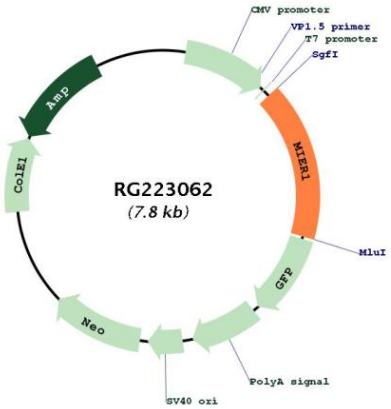
Locus ID: 57708

UniProt ID: Q8N108

Cytogenetics: 1p31.3

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]

Product images:



Circular map for RG223062