

Product datasheet for **RG207359**

MIER3 (NM_152622) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Tag:	TurboGFP
Symbol:	MIER3
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)



ORF Nucleotide Sequence: >RG207359 representing NM_152622
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCCGCGATCGCC

ATGTTGGTCCATGACTATGATGATGAAAGAACTCTTGAAGAAGAGGAAATGATGGATGAGGGTAAAACT
 TCAGTTCAGAAATTGAAGACTTAGAAAAGGAAGGAACCATGCCTCTAGAAGATTACTGGCATTCTATGG
 CTATGAACCTACAATCCAGCAGTTGCAAATCCAGTGCAAAATAGTTCCCAAGTGAAGTGGCAGATGAA
 CTACCAGACATGACACTAGACAAAGAGGAAATAGCAAAAGACCTGTTGTGAGGTGATGACGAGGAAACT
 AGTCTTCTGCGGATGGTCTGACGCCATCTGTGACTTCCCATGAACTTCTGATTCTTCCCTAGGCCTTT
 ACGATCAAAATACTGCATGTGATGGTGATAAGGAATCAGAGGTTGAAGATGTTGAAACAGACAGTGGTAAT
 TCACCTGAAGATTGAGGAAGGAAATAATGATTGGTTTACAATATCAGGCAGAGATTCCTCTTATCTTG
 GAGAGTACGATGGAATGAGAAAGTATATGAAAACGAAGACCAGTTACTTTGGTGTCTGATGTGGTTTT
 GGAGAGCAAAGTTAAGGAATACCTTGTGAGACTTCATTAAGGACTGGCAGTAAAAAATAATGGATAGG
 ATTTCTGCAGGAACACACAAGGGACAATGAACAGGCATTATATGAAGTCTCAAGTGTAAACCACAATA
 TAAAGGAAGCAATCGAAAGATACTGCTGCAATGGAAAGGCCTCTCAAGGAATGACTGCATGGACGGAAGA
 AGAATGCCGAAGCTTTGAACATGCACTCATGCTTTTGGAAAAGATTTTCATCTTATACAGAAGAATAAG
 GTGAGAACTAGGACAGTTGCTGAGTGTGTAGCATTCTACTATATGTGGAAGAAATCTGAACGTTATGATT
 ACTTTTGTCAACAGACAAGATTTGGGAAAAAAGATATAACCATCACCTGGAGTTACGGACTATATGGA
 TCGTTTAGTAGATGAAACAGAAGCTTTGGGTGGGACGGTAAATGCTTCAGCCTTAACTTCTAACCGCCT
 GAGCCTATTCTGATCAACAGCTAACATTCTCAACTCCTTCACTGCCAGTGACTTGACAGCTTTGACCA
 ACAGGTAGCAACCGTCTGCGACCCACAGATGTGAATTGTTGGATGATAGCTTCTCCTCACTGGGCAA
 CACACCCCGTGGACAAGTTAATCATGTGCCTGTTGTAAACAGAAGAGTTACTCACCTGCCAGCAATGGG
 GAAAGTGATTGTTTAAATTTATTTGAGACTGGATTTTATCACTCGGAGCTAAACCTATGAACATGTGCA
 GTGAAGAGTCAGAGAGACCAGCAAAAGATTGAAAATGGGCATTGCCGTCCTGAATCCTTTATGAATGA
 AGTTTCTGTAAATAACCTGGGTGTGGACTTTGAAAATCACACATCACATCACCAGTGCCAAAAATGGCT
 GTTTCTGTGGCTGACTTTGGCAGTCTCTCTGCCAACGAGACCAATGGTTTCATCAGTGCCCATGCTCTGC
 ATCAGCACGCGGCCCTACACTCTGAG

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA

Protein Sequence: >RG207359 representing NM_152622
 Red=Cloning site Green=Tags(s)

MLVHDYDDERTLEEEEMMDEGNFSSEIEDLEKEGTMPLEDLLAFYGYEPTIPAVANSSANSSPELADE
 LPDMLDKKEIAKDLLSGDDEETQSSADGLTPSVTSHETSDFPRPLRSNTACDGDKESEVEDVETDSGN
 SPEDLRKEIMIGLQYQAEIPPYLGEYDGNKVVYENEDQLLWCPDVVLESKVKEYLVETSLRTGSEKIMDR
 ISAGTHTRDNEQALYELLKCNHNIKEAIERYCCNGKASQGMTAWTEEECRSFEHALMLFGKDFHLIQKNK
 VRTRTVAECVAFYMWKKSERYDYFAQQTRFGKKRYNHHPGVTDYMDRLVDETEALGGTVNASALTSNRP
 EPIPDQQLNILNSFTASDLTALNSVATVCDPTDVNCLDDSFPLGNTPRGQVNHVPVVTTEELLTLPSNG
 ESDCFNLFETGFYHSELNPMNMCSEESERPAKRLKMGIAVPESFMNEVSVNNLGVDNFENHHTHSKMA
 VSVADFGSLSANETNGFISAHALHQHAALHSE

TRTRPLE - GFP Tag - V

Restriction Sites: SgfI-MluI

Cloning Scheme:



ACCN: NM_152622

ORF Size: 1566 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.

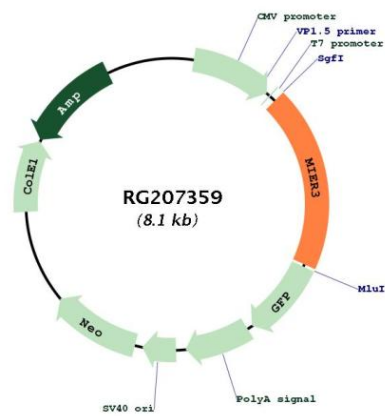
Note: Plasmids are not sterile. For experiments where strict sterility is required, filtration with 0.22um filter is required.

RefSeq: [NM_152622.2](#), [NP_689835.2](#)

RefSeq Size: 5220 bp

RefSeq ORF:	1650 bp
Locus ID:	166968
UniProt ID:	Q7Z3K6
Cytogenetics:	5q11.2
Domains:	ELM2, myb_DNA-binding
Protein Families:	Transcription Factors
Gene Summary:	Transcriptional repressor.[UniProtKB/Swiss-Prot Function]

Product images:



Circular map for RG207359