

## Product datasheet for **MG203880**

### Miox (NM\_019977) Mouse Tagged ORF Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	Miox (NM_019977) Mouse Tagged ORF Clone
Tag:	TurboGFP
Symbol:	Miox
Synonyms:	0610009I10Rik; AI314022; Aldrl6; C85427; RSOR
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)
ORF Nucleotide Sequence:	>MG203880 representing NM_019977 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
GCC**CGATCGCC**

ATGAAGGTCGATGTGGGCCAGACCCCTCCCTGGTCTATCGACCCGATGTGGACCCAGAGATGGCCAAA  
GCAAGGACAGCTCCGAAACTATACTTCAGGCCGCTGCTGGATCGTGTCTTTACCACATAACAAGCTCAT  
GCACACTACCAGACTGTGGACTTCGTCAGCAGGAAGCGCATCCAGTATGGAAGCTTCTCTTACAAGAAG  
ATGACCATCATGGAGGCTGTGGCATGCTGGATGATCTGGTGGACGAATCTGACCCAGACGTAGATTTCC  
CCAACCTCTCCACGCTTCCAGACCGCGAGGGCATCCGAAAGCCACCCGGACAAGGACTGGTTCCA  
CCTGGTCGGACTTTTGCACGATCTGGGGAAAATTATGGCTCTGTGGGGGAACCTCAGTGGGCTGTTGTT  
GGAGACACGTTCCCGTGGGCTGCCGTCGCCAGGCCTCTGTGGTGTCTGTGACTCTACTTTCCAGGACA  
ATCCTGACCTCCAGGATCCTCGATACAGCACAGAACTCGGCATGTACCAGCCTCACTGTGGACTAGAGAA  
CGTCTTATGTCTGGGGCCATGATGAGTACCTATACCAGATGATGAAGTTCAACAAGTTCTCCCTGCCCT  
TCAGAGGCCTTACATGATCCGATCCACTCCTTCTATCCGTGGCACACCGCGGTGACTACCGGCAGC  
TGTGCAGCCAGCAGGACCTGGATATGCTGCCCTGGGTGCAAGAGTTCAACAAGTTGATCTCTACACGAA  
GTGCCCTGACCTACCGGATGTGGAGAGCCTGCGGCCCTACTATCAAGGGCTGATTGACAAGTACTGCCCG  
GGCACCCCTGAGCTGG

AG**CGGACCG**ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA



[View online »](#)

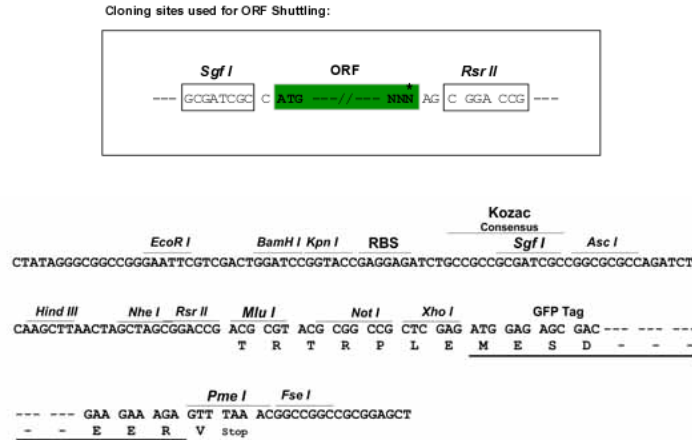
Protein Sequence: >MG203880 representing NM\_019977  
 Red=Cloning site Green=Tags(s)

MKVDVGPDPPLVYRPDVPPEMAKSKDSFRNYTSGPLLDVRFVTTYKLMHHTQTVDFVSRKRIQYGSFSYKK  
 MTIMEAVGMLDDLVDSDPDVDFPNSFHAFQTAEGIRKAHPDKDWFHLVGLLHDLGKIMALWGEPQWAVV  
 GDTFPVGCPRQASVVFCDSTFQDNPDLDQPRYSTELGMYQPHCGLENVLMSWGHDEYLYQMMKFNKFSLP  
 SEAFYMI R FHSFYPWHTGGDYRQLCSQQDLMLPWVQEFNKFDLYTKCPDLPDVESLRPYYQGLIDKYCP  
 GTLSW

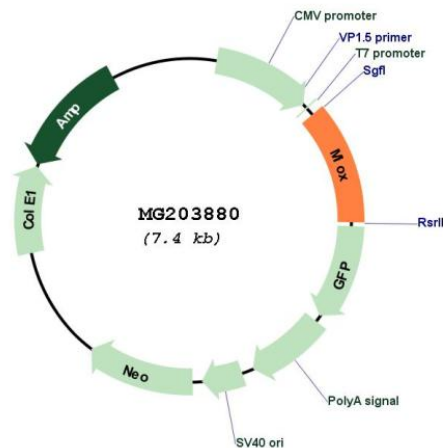
SGPTRRRLE - GFP Tag - V

Restriction Sites: SgfI-RsrII

Cloning Scheme:



Plasmid Map:



ACCN: NM\_019977

ORF Size: 855 bp

<b>OTI Disclaimer:</b>	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. <a href="#">More info</a>
<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>Reconstitution Method:</b>	<ol style="list-style-type: none"><li>1. Centrifuge at 5,000xg for 5min.</li><li>2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA.</li><li>3. Close the tube and incubate for 10 minutes at room temperature.</li><li>4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom.</li><li>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.</li></ol>
<b>RefSeq:</b>	<a href="#">NM_019977.2</a> , <a href="#">NP_064361.2</a>
<b>RefSeq Size:</b>	1074 bp
<b>RefSeq ORF:</b>	858 bp
<b>Locus ID:</b>	56727
<b>UniProt ID:</b>	<a href="#">Q9QXN5</a>
<b>Cytogenetics:</b>	15 E3