

## Product datasheet for RN213529

### Miox (NM\_145771) Rat Untagged Clone

#### Product data:

**Product Type:** Expression Plasmids  
**Product Name:** Miox (NM\_145771) Rat Untagged Clone  
**Tag:** Tag Free  
**Symbol:** Miox  
**Synonyms:** Aldrl6; RSOR  
**Vector:** pCMV6-Entry (PS100001)  
**E. coli Selection:** Kanamycin (25 ug/mL)  
**Cell Selection:** Neomycin  
**Fully Sequenced ORF:** >RN213529 representing NM\_145771  
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
 GCC**CGGATCGC**C

ATGAAGGTCGACTTGGGCCAGACCCTTCCTGGTCTATCGACCTGATGTGGACCCAGAGATGGCCAAA  
 GCAAGGGCAGCTCCGAACTACACTTCAGGCCGCTGCTGGATCGCGTCTTTACCACCTATAAGCTGAT  
 GCACACTCACCAGACCGTGGACTTCGTCATGCGGAAGCGCATCCAGTTTGAAGCTTCTCTTACAAGAAG  
 ATGACGGTCATGGAGGCTGTAGATATGCTGGATGATCTGGTGGACGAATCTGACCCAGAGTAGACTTCC  
 CCAACTCCTTTACGCGTTCCAGACCGGGAGGGCATCCGAAAAGCCACCCAGACAAGGACTGGTTCCA  
 TCTGGTTGGACTTTTGCATGATCTGGGGAAAATCCTGGCCCTGTGGGGGAACCTCAGTGGGCTGTTGTT  
 GGAGACACTTTCCCGTGGGCTGCCGTCCCGAGGCCCTCCGTGGTGTCTGCGACTCTACTTTCCAGGACA  
 ATCCTGACCTCCAGGACCCTCGATACAGCACAGAACTTGGCATGTACCAGCCCCACTGTGGACTTGAGAA  
 TGTCTTATGTCTGGGGCCATGATGAGTACCTATACCAGATGATGAAGTTCAACAAGTTCTCCCTACCT  
 TCAGAGGCTTCTACATGGTCCGATTCCATTCTTCTATCCGTGGCACACCGGGCGGTGACTACCGGCAGC  
 TGTGCAGTCAGCAAGACCTGGATATGCTGCCTTGGGTGCAAGATTCAACAAGTTTGACCTCTACACCAA  
 GTGCCCTGACCTACCGAAGTGAAGAGCCTGCGGCCCTACTATCAGGGGCTGATTGACAAGTACTGCCCG  
 GGCATCCTGAGCTGGTGA

AG**CGGACCG**ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCC  
 TGGATTACAAGGATGACGACGATAAGGTTTAA

**Restriction Sites:** SgfI-RsrII  
**ACCN:** NM\_145771  
**Insert Size:** 858 bp



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<b>OTI Disclaimer:</b>	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).
<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>	<u><a href="#">NM_145771.2</a></u> , <u><a href="#">NP_665714.2</a></u>
<b>RefSeq Size:</b>	1039 bp
<b>RefSeq ORF:</b>	858 bp
<b>Locus ID:</b>	252899
<b>UniProt ID:</b>	<u><a href="#">Q9QXN4</a></u>
<b>Cytogenetics:</b>	7q34
<b>Gene Summary:</b>	may play a role in diabetic renal complications [RGD, Feb 2006]