

## Product datasheet for **MC221959**

### **Oxr1 (NM\_001130165) Mouse Untagged Clone**

#### **Product data:**

|                           |  |
|---------------------------|--|
| Product Type:             | Expression Plasmids                      |
| Product Name:             | Oxr1 (NM_001130165) Mouse Untagged Clone |
| Tag:                      | Tag Free                                 |
| Symbol:                   | Oxr1                                     |
| Synonyms:                 | 2210416C20Rik; C7; C7B                   |
| Mammalian Cell Selection: | Neomycin                                 |
| Vector:                   | pCMV6-Entry (PS100001)                   |
| E. coli Selection:        | Kanamycin (25 ug/mL)                     |



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**Fully Sequenced ORF:** >MC221959 representing NM\_001130165  
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
 GCC**GCGATCGCC**

ATGGACTACCTGACCACGTTACCCGGCAAGAGCGGCCGGTCTGCTCGGGGCACGGCCAGCCGCTGTGGG  
 GGCTCGGCGGCGGGGAAGCGCGCAGGTGCGCTTCGAGGACTACCTGAGGGAGCCGGCTCCTGGCGA  
 CCCGGGCTGCGGGCCGGAGGAGCTCCGACCCGCTCGCCGGCCAGTCCCAGGGACCGGACTGGCCAA  
 AAGAAGACCTTAGACAAGAAAGATGGGAGAAGGATGTCTTTTCAGAAGCCTAAAGGAACCATTAATATA  
 CTGTTGAATCAAGGGATTCTTTGAATAGCATAGCCCTGAAATTTGATACCACACCAATGAACCTGTTCA  
 GTTAAATAAGTTATTCTCTCGAGCAGTCGTGACTGGACAGGTTTTATACGTTCTGATCCTGAATATGTC  
 TCTAGTGTGAGAGTTCCCATCCCTCAGCCCTGTAAGCCCTCTGTGCCAACGTCATCCGAGGCTGAAT  
 TTGATAAAACCACGACTCCAGATGTAGCCCATCCAAAAGAAGCACCCCGGCATCGACTGTGAGCGGTAT  
 TCGGCCTGCGAGAGTTGTCTTCAACTTCTGAAGAAGAAGAAGCCTTTACTGAGAAATTTCTTAAAT  
 AATTGCAAAATATACACCATTGGCAAGGGCACAGTCAGTGGCGTCTGCTAGTCACACCAATAACATAA  
 TGTGTTGATCCACACAAGACAGACCCCTTGGTTCAAGAGAACGGTTGTGAGGAATACGGCATCATGTGTCC  
 GATGGAAGAGGTGATGTCAGCTGCCATGTACAAAGAGATTTTGGATAGCAAAATAAAGGAATCACTGCC  
 ATAGAAGTAGATCAGTTGTGAGGAAGGGGCTCTGCCATTCAAAGAAAGCGACAGGAGTCTCTGTGAGG  
 ACGCAGACCCGAGAGCGCGTACAGGGTAACGACAGTCCAGCAGTCTCCAGGAGCACCGAGGAGTC  
 TCTCTCGAAGACGCTTTCACAGAGTCAGAAGTCTCTCTATCCGCGAGGAGTCTCTCTCGGAGCCG  
 AGACAGGAGAAGTCATCTGATGCCTCGTCAGAACTGTGTCAGACTGTGATCAGATGGAAGTCCAGTCT  
 TGACAGCCAGTCAGAGGCTGTAACGTTCTGACCGCACTAGCTTAAACCTGGGGCTTATCTCATGA  
 AACTGGCTTAAGTGGTCTGGAAACAGCCACTAAAGGAGGAGATAAAGCTACAGAAAGCCTTCAAGAAGTC  
 TCAGGCCCAAAGGAACAAAGCACAGAAGTAAAAGTCAAGGATAACCAGGATTCTTCCACAGGAAAGTT  
 CACTGCAGCAAGAGGCGAGGTGAAGACAGTGTATCTTCTGGAGAAACAGTGAAGTAAAAGAAAACAGC  
 TGTTCTTAAGGATCAACAAGGGCAGGAGCTAAAACGGGACTCAGAGACAGAAGTAGAGGAGCTGCGCAA  
 CTCTGGAAAACACTCTATGCAGCAAGCAAGCAGCAAAAGGGACAGATTACAGAGGTGTACAGAGAG  
 AAAGTAAACACAGCAGCGCAGCAGCAGCAGCAGCAGTGGAGAGGGCTCTCGCTGTTAAAGGAAAAGCGAAG  
 GCATCGATTACATAAGTTCTATGTCTCAGAGTCGAAAACCAATGAGGAAGACCTTTGTATCGCAAGCA  
 AGTGTACGATGCAACAGTATGCACAAAGAGATAAAAAACACGAATATTGGTTTGCAGTCCACAAGAAA  
 GGACAGACCCTTGTATGCCTTCTTATTAGTGGAGTCCAGAAATCTATGCAGAAGATTCTGGTGAATA  
 CACCAGAGAGCCTGGATTCATAGTAGTCAAAAAGATGGACGAGTCTGAAGCGAATGAAGCCCTGCTGGT  
 GAAGCAGCAGCCAGGGAGTGGGAGATTACTACAAGGGAAGACATCAACTCAAAGCAGGTTGCTCCAGCAA  
 AAGCAGACCTGGAGCCTGAATCTTCCGACCAAACCTAAGCGACCCAGTGAACCTTACTGCCTGATCA  
 GATTGAAAAGCTTACTAAGCACCTTCCACCAAGAACCATTGGCTATCCATGGACGCTTGTGTACGGTACT  
 GGAAGCATGGTACAAGTTTGAAGACCTTTATCGAACAATGACAGGTTTAGACTCCGGTGTGATGG  
 TGATTAAGACAGTGTGACAGGTTTTTGGTGCATTAGCATCAGAGCCATTTAAAGTAAGTGTGGCTT  
 TTACGGTACTGGAGAAACATTTGTTTTACATTCTGCCAGAATTTGAGGCTTTAAGTGGACAGGAGAT  
 AATATGTTTTTTTCAAAGGAGACATGGATTCTTAGCATTTGGTGGTGGAGGAGGGAATTTGCTCTTT  
 GGCTTGTGAGATCTCTACCATGGAAGAAGCCATTCTGTAAAACGTTTGGGAATCATACACTTTCTAA  
 GAAGGAAGATTTCTTATCCAAGACATTGAAATCTGGGCTTTTGAATAA

**ACGCGT**ACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCCTGGATT  
 ACAAGGATGACGACGATAAGGTTTAA

**Restriction Sites:** SgfI-MluI  
**ACCN:** NM\_001130165  
**Insert Size:** 2499 bp

|                               |   |
|-------------------------------|---|
| <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_001130165.1</a></u> , <u><a href="#">NP_001123637.1</a></u>   |
| <b>RefSeq Size:</b>           | 4271 bp   |
| <b>RefSeq ORF:</b>            | 2499 bp   |
| <b>Locus ID:</b>              | 170719  |
| <b>UniProt ID:</b>            | <u><a href="#">Q4KMM3</a></u>   |
| <b>Cytogenetics:</b>          | 15 B3.1   |
| <b>Gene Summary:</b>          | May be involved in protection from oxidative damage.[UniProtKB/Swiss-Prot Function]<br>Transcript Variant: This variant (4) has multiple differences in the coding region and 5' UTR, compared to variant 5, resulting in a protein (isoform D) with a shorter, distinct N-terminus and a missing region in the C-terminus, compared to isoform E.  |