

## Product datasheet for **MC221518**

### **Oxr1 (NM\_130885) Mouse Untagged Clone**

#### **Product data:**

Product Type:	Expression Plasmids
Product Name:	Oxr1 (NM_130885) Mouse Untagged Clone
Tag:	Tag Free
Symbol:	Oxr1
Synonyms:	2210416C20Rik; C7; C7B
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin



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**Fully Sequenced ORF:** >MC221518 representing NM\_130885  
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
 GCC**CGGATCGCC**

ATGTCTTTTCAGAAGCCTAAAGGAACCATTGAATATACTGTTGAATCAAGGGATTCTTTGAATAGCATAG  
 CCTGAAATTTGATACCACACCCAATGAACTTGTCAGTTAAATAAGTTATTCTCTCGAGCAGTCGTGAC  
 TGGACAGGTTTTATACGTTCTGATCCTGAATATGTCTCTAGTGTGAGAGTTCCCCATCCCTCAGCCCT  
 GTAAGCCCTCTGTGCGCAACGTATCCGAGGCTGAATTTGATAAAACCACGACTCCAGATGTAGCCCATC  
 CAAAAGAAGCACCCTCGCATCGACTGTGAGCGGTATTCGGCCTGCGAGAGTTGTGTCTTCAACTTCTGA  
 AGAAGAAGAAGCCTTTACTGAGAAATTTCTTAAATTAATTGCAATATATCACCATTGGCAAGGGCACA  
 GTCAGTGGCGTCTGCTAGTCACACCAATAACATAATGTTTGATCCACACAAGACAGACCCCTTGGTTC  
 AAGAGAACGGTTGTGAGGAATACGGCATCATGTGTCCGATGGAAGAGGTGATGTCAGCTGCCATGTACAA  
 AGAGATTTTGGATAGCAAAATAAAGGAATCACTGCCCATAGAACTAGATCAGTTGTGAGGAGGGGTCC  
 TGCCATTCAAAGAAAGCGACAGGAGTCTCTGCTGAGGACGACAGCCGAGAGCGCGTACCAGGGTAACG  
 ACAGTGCCAGCACTGCTCCCAGGAGCACCGAGGAGTCTCTCTCGGAAGACGCTTTCACAGAGTCAGAACT  
 CTCTCCTATCCGCGAGGAGCTGCTCTCCTCGGAGCCGAGACAGGAGAAGTCATCTGATGCCTCGTCAGAA  
 TCTGTGCAGACTGTCAGTCAGATGGAAGTCCAGTCTTGCAGCCACGTGAGGCTGCTAACGTTCTCTG  
 ACCGCACTAGCTTAACCCTGGGGCTCTATCTCATGAACTGGCTTAAGTGGTCTGGAAACAGCCACTAA  
 AGGAGGAGATAAAGCTACAGAAAGCCTTCAAGAAGTCTCAGGCCAAAGGAACAAAGCACAGAAGTAAAA  
 GGTCAGGATAACCAGGATTTCTCCACCAGGAAAGTTCAGTGCAGCAAGAGGCAGGTGAAGACAGTGTAT  
 CTTCTGGAGAAAACAGTAGAACTGAAAGAAAACCAGCTGTTCTTAAGGATCAACAAGGGCAGGATAAA  
 ACGGGACTCAGAGACAGAAGTAGAGGAGCTGCGCAAACTCTGGAAAACACTCTATGCAGCAAGCCAAG  
 CAGCAAAGGGACACGATTACAGCAGGTGTACAGAGAGAAAGTAAACACAGCAGCGCAGCAGCAGACGCAC  
 ATGGAGAGGGCTCCTCGCTGTTAAAGGAAAAGCGAAGGCATCGATTACATAAGTTCCTATGTCTCAGAGT  
 CGGAAAACCAATGAGGAAGACCTTTGTATCGCAAGCAAGTGTACGATGCAACAGTATGCACAAAGAGAT  
 AAAAAACACGAATATTGGTTTGCAGTGCCACAAGAAAGGACAGACCCTTGTATGCCTTCTTCATTGAGT  
 GGAGTCCAGAAATCTATGCAGAAGATTCTGGTGAATACACCAGAGAGCCTGGATTCATAGTCAAAAA  
 GATGGACGAGTCTGAAGCGAATGAAGCCCTGCTGGTGAAGCAGCAGCCAGGGAGTGGGAGGTAGTGTG  
 GTGGCTGAGTATCACCGCAGGATCGATGCTCTAAATACTGAAGAACTGCGCACACTCTGCAGACGGCTCC  
 AGATTACTACAAGGGAAGACATCAACTCAAAGCAGGTTGCTCCAGCAAAAGCAGAGCTGGAGCCTGAATC  
 TTTCCGACCAAACCTAAGCGACCCAGTGAACCTTACTGCCTGATCAGATTGAAAAGCTTACTAAGCAC  
 CTTCCACCAAGAACCATTGGCTATCCATGGACGCTTGTGTACGGTACTGGGAAGCATGGTACAAGTTTGA  
 AGACCCCTTATCGAACAATGACAGGTTTAGACACTCCGGTGTGATGGTATTAAAGACAGTGTGGACA  
 GGTTTTTGGTGCATTAGCATCAGAGCCATTTAAAGTAAGTGTGGCTTTTACGGTACTGGAGAAACATTT  
 GTTTTACATTCTGCCAGAATTTGAGGTCTTTAAGTGGACAGGAGATAATATGTTTTTTATCAAAGGAG  
 ACATGGATTCAATAGCATTGTTGGTGGAGGAGGGGAATTTGCTCTTTGGCTTGTGGAGATCTCTACCA  
 TGGAAGAAGCCATTCCTGTAAAACGTTTGGGAATCATACTTTCTAAGAAGGAAGATTTCTTTATCCAA  
 GACATTGAAATCTGGGCTTTTGAAT**AA**

**ACGCGT**ACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
 ACAAGGATGACGACGATAAGGTTTAA

**Restriction Sites:** Sgfl-Mlul  
**ACCN:** NM\_130885  
**Insert Size:** 2337 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>	<a href="#">NM_130885.2</a> , <a href="#">NP_570955.1</a>
<b>RefSeq Size:</b>	4240 bp
<b>RefSeq ORF:</b>	2337 bp
<b>Locus ID:</b>	170719
<b>UniProt ID:</b>	<a href="#">Q4KMM3</a>
<b>Cytogenetics:</b>	15 B3.1
<b>Gene Summary:</b>	May be involved in protection from oxidative damage.[UniProtKB/Swiss-Prot Function] Transcript Variant: This variant (1) has multiple differences in the coding region and 5' UTR, compared to variant 5, resulting in a protein (isoform A) with a shorter and distinct N-terminus, compared to isoform E. Sequence Note: This RefSeq record was created from genomic and transcript sequence data because transcript sequence consistent with the reference genome assembly was not available for all regions of the RefSeq transcript. The extent of this transcript is supported by transcript alignments.