

## Product datasheet for **MR215830**

### Oxr1 (NM\_001130164) Mouse Tagged ORF Clone

#### Product data:

Product Type: Expression Plasmids  
 Product Name: Oxr1 (NM\_001130164) Mouse Tagged ORF Clone  
 Tag: Myc-DDK  
 Symbol: Oxr1  
 Synonyms: 2210416C20Rik; C7; C7B  
 Vector: pCMV6-Entry (PS100001)  
 E. coli Selection: Kanamycin (25 ug/mL)  
 Cell Selection: Neomycin  
 ORF Nucleotide Sequence: >MR215830 representing NM\_001130164  
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
 GCC**CGATCGCC**

ATGTCCCGTCTCTGGTATGGGAAAAAGGGAGAAGACATCAGCCAGTTAACCATAAATACACTCTGATTA  
 CTACAAGGAAGACATCAACTCAAAGCAGTTGCTCCAGCAAAGCAGACCTGGAGCCTGAATCTTTCCG  
 ACCAAACCTAAGCGACCCAGTGAAGTCTTACTGCCTGATCAGATTGAAAAGCTTACTAAGCACCTCCA  
 CCAAGAACCATTGGCTATCCATGGACGCTTGTGTACGGTACTGGGAAGCATGGTACAAGTTTGAAGACCC  
 TTTATCGAACAATGACAGGTTTACAGACTCCGGTCTGATGGTATTAAGACAGTGATGGACAGGTTTT  
 TGGTGCATTAGCATCAGAGCCATTTAAAGTAAGTGATGGCTTTTACGGTACTGGGAAACATTTGTTTTTC  
 ACATTCTGCCAGAAATTTGAGGTCTTTAAGTGGACAGGAGATAATATGTTTTTTTCAAAGGAGACATGG  
 ATTCATTAGCATTTGGTGGTGGAGGAGGGGAATTTGCTCTTTGGCTTGATGGAGATCTCTACCATGGAAG  
 AAGCCATTCTGTAAAACGTTTGGGAATCATACACTTTCTAAGAAGGAAGATTTCTTTATCCAAGACATT  
 GAAATCTGGGCTTTTGA

**ACGCGT**ACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
 ACAAGGATGACGACGATAAGGTTTAA



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**Protein Sequence:** >MR215830 representing NM\_001130164  
 Red=Cloning site Green=Tags(s)

MSRLWYGKKGRRHQPVNHKYTLITTTREDINSKQVAPAKADLEPESFRPNLSDPSELLLPDQIEKLTkHLP  
 PRTIGYPWTLVYGTGKHGTSKLTLYRTMTGLDTPVLMVIKDSGQVFGALASEPFKVSDFYGTGETFVF  
 TFCPEFEVFKWTDNMFFIKGDMDSLAFGGGGGEFALWLDGDLYHGRSHSCKTFGNHTLSKKEDFFIQDI  
 EIWAFF

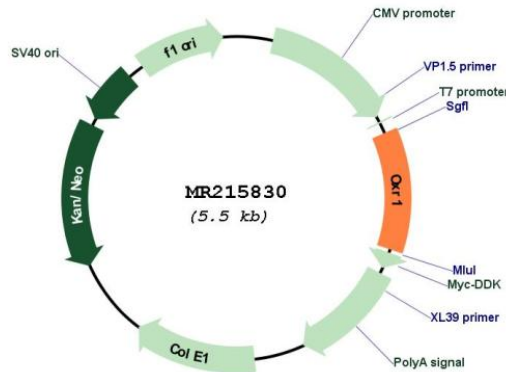
TRTRPLEQKLISEEDLAANDILDYKDDDDKV

**Restriction Sites:** Sgfl-MluI

**Cloning Scheme:**



**Plasmid Map:**



**ACCN:** NM\_001130164

**ORF Size:** 648 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_001130164.1</a> , <a href="#">NP_001123636.1</a>
<b>RefSeq Size:</b>	2529 bp
<b>RefSeq ORF:</b>	651 bp
<b>Locus ID:</b>	170719
<b>UniProt ID:</b>	<a href="#">Q4KMM3</a>
<b>Cytogenetics:</b>	15 B3.1
<b>MW:</b>	24.9 kDa
<b>Gene Summary:</b>	May be involved in protection from oxidative damage.[UniProtKB/Swiss-Prot Function]