

Product datasheet for **MC221322**

Oxr1 (NM_001130163) Mouse Untagged Clone

Product data:

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| Product Type: | Expression Plasmids |
| Product Name: | Oxr1 (NM_001130163) 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: >MC221322 representing NM_001130163
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGGATCGCC**

ATGTCCTTTTCAGAAGCCTAAAGGAACCATTGAATATACTGTTGAATCAAGGGATTCTTTGAATAGCATAG
 CCCTGAAATTTGATACCAACACCCAATGAACTTGTTCAGTTAAATAAGTTATTCTCTCGAGCAGTCGTGAC
 TGGACAGGTTTTATACGTTCTCTGATCCTGAATATGTCTCTAGTGTGAGAGTTCCCCATCCCTCAGCCCT
 GTAAGCCCTCTGTGCGCAACGTATCCGAGGCTGAATTTGATAAAACCACGACTCCAGATGTAGCCCATC
 CAAAAGAAGCACCCTCGGCATCGACTGTGAGCGGTATTCGGCCTGCGAGAGTTGTGTCTTCAACTTCTGA
 AGAAGAAGAAGCCTTTACTGAGAAATTTCTAAAATTAATTGCAATATATCACCATTGGCAAGGGCACA
 GTCAGTGGCGTCTGCTAGTCACACCAATAACATAATGTTTGATCCACACAAGACAGCCCTTGGTTC
 AAGAGAACGGTTGTGAGGAATACGGCATCATGTGTCCGATGGAAGAGGTGATGTCAGCTGCCATGTACAA
 AGAGATTTTGGATAGCAAAATAAAGGAATCACTGCCCATAGAACTAGATCAGTTGTGAGGAGGGGTCC
 TGCCATTCAAAGAAAGCGACAGGAGTCTCTGCTGAGGACGACAGCCGAGAGCGCGTGACCAGGGTAACG
 ACAGTGCCAGCACTGCTCCCAGGAGCACCGAGGAGTCTCTCTCGGAAGACGCTTTCACAGAGTCAGAACT
 CTCTCCTATCCGCGAGGAGCTGCTCTCCTCGGAGCCGAGACAGGAGAAGTCATCTGATGCCTCGTCAGAA
 TCTGTGCAGACTGTCAGTCAGATGGAAGTCCAGTCTTGCAGCCACGTGAGGCTGCTAACGTTCTCTG
 ACCGCACTAGCTTAACCCTGGGGCTCTATCTCATGAACTGGCTTAAGTGGTCTGGAAACAGCCACTAA
 AGGAGGAGATAAAGCTACAGAAAGCCTTCAAGAAGTCTCAGGCCAAAGGAACAAAGCACAGAAGTAAAA
 GGTCAGGATAACCAAGGATTTCTCCACCAGGAAAGTTCAGTGCAGCAAGAGGCAGGTGAAGACAGTGTAT
 CTCTGGAGAAACAGTAGAAGTAAAGAAAACCAGCTGTTCTTAAGGATCAACAAGGGCAGGAGCTAAA
 ACGGGACTCAGAGACAGAAAGTAGAGGAGCTGCGCAAACTCTGGAAAACACTCTATGCAGCAAGCCAAG
 CAGCAAAGGGACACGATTACAGCAGGTGTACAGAGAGAAAGTAAACACAGCAGCGCAGCAGCAGCGCAC
 ATGGAGAGGGCTCCTCGCTGTTAAAGGAAAAGCGAAGGCATCGATTACATAAGTTCCTATGTCTCAGAGT
 CGGAAAACCAATGAGGAAGACCTTTGTATCGCAAGCAAGTGTACGATGCAACAGTATGCACAAAGAGAT
 AAAAAACACGAATATTGGTTTGCAGTGCCACAAGAAAGGACAGACCCTGTATGCCTTCTTATTTCAGT
 GGAGTCCAGAAATCTATGCAGAAGATTCTGGTGAATACACCAGAGAGCCTGGATTATAGTACAAAA
 GATGGACGAGTCTGAAGCGAATGAAGCCCTGCTGGTGAAGCAGCAGCCAGGAGTGGGAGATTACTACA
 AGGGAAGACATCAACTCAAAGCAGGTTGCTCCAGCAAAAGCAGACCTGGAGCCTGAATCTTCCGACCAA
 ACCTAAGCGACCCAGTGAAGTCTTACTGCCTGATCAGATTGAAAAGCTTACTAAGCACCTTCCACCAAG
 AACCATTTGGCTATCCATGGACGCTTGTGTACGGTACTGGGAAGCATGGTACAAGTTTGAAGACCCCTTAT
 CGAACAATGACAGGTTTACAGACTCCGGTGTGATGGTGAATAAAGACAGTGTGGACAGGTTTTTGGTG
 CATTAGCATCAGAGCCATTTAAAGTAAGTATGGCTTTTACGGTACTGGGAAACATTTGTTTTTACATT
 CTGCCAGAAATTTGAGGCTTTAAGTGGACAGGAGATAATATGTTTTTTTCAAAGGAGACATGGATTCA
 TTAGCATTTGGTGGTGGAGGAGGGGAATTTGCTCTTTGGCTTGTGGAGATCTCTACCATGGAAGAAGCC
 ATTCCTGTAACCGTTTGGGAATCATACACTTTCTAAGAAGGAAGATTTCTTTATCCAAGACATTGAAAT
 CTGGGCTTTTGAAT**TAA**

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites: SgfI-MluI
ACCN: NM_001130163
Insert Size: 2256 bp

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| OTI Disclaimer: | 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). |
| Components: | 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). |
| Reconstitution Method: | <ol style="list-style-type: none">1. Centrifuge at 5,000xg for 5min.2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA.3. Close the tube and incubate for 10 minutes at room temperature.4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom.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. |
| RefSeq: | NM_001130163.1 , NP_001123635.1 |
| RefSeq Size: | 4176 bp |
| RefSeq ORF: | 2256 bp |
| Locus ID: | 170719 |
| UniProt ID: | Q4KMM3 |
| Cytogenetics: | 15 B3.1 |
| Gene Summary: | May be involved in protection from oxidative damage.[UniProtKB/Swiss-Prot Function] Transcript Variant: This variant (2) has multiple differences in the coding region and 5' UTR, compared to variant 5, resulting in a protein (isoform B) with a shorter, distinct N-terminus and a missing region in the C-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. |