

Product datasheet for **MC222283**

Oxr1 (NM_001130166) Mouse Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Oxr1 (NM_001130166) 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: >MC222283 representing NM_001130166
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGCATCGCC**

ATGTCTGTATCTAATCTATCATGGTTGAAGAAAAAGTCCCAGTCAGTGGATATTACTGCTCCAGGGTTCA
 ACCCTTTAGGTGGTGCAGGGAAGCAAGCACCAAGCCAGCAAGCCCCCGCACCCAAGACCCCCATCAT
 CGAAGAAGAACAGAACAACTCAGCAAACACCCAGAAGCATCCTTCCAGAAAAAGTGAAGTGAAGAGGTTT
 TATACCATTGACACTGGCCAAAAGAAGACCTTAGACAAGAAAGATGGGAGAAGGATGTCTTTTCAGAAGC
 CTAAGAAGAACATTGAATATACTGTTGAATCAAGGGATTCTTTGAATAGCATAGCCCTGAAATTTGATAC
 CACACCAATGAACCTGTTCAAGTAAATAAGTTATTCTCTCGAGCAGTCGTGACTGGACAGGTTTATAC
 GTTCTGTATCCTGAATATGTCTCTAGTGTGAGAGTCCCATCCCTCAGCCCTGAAGCCCTGTGCGC
 CAACGTATCCGAGGCTGAATTTGATAAAACCAGACTCCAGATGTAGCCATCCAAAAGAAGCACCCCC
 GGCATCGACTGTGAGCGTATTCGGCCTGCGAGAGTTGTGTCTCAACTTCTGAAGAAGAAGAAGCCTTT
 ACTGAGAAATTTCTTAAATTAATTGCAATATATCACCATTGGCAAGGGCACAGTCAGTGGCGTCTGTC
 TAGTCACACCAAATAACATAATGTTTATGCCACAAGACAGACCCCTTGGTTCAAGAGAACGGTTGTGA
 GGAATACGGCATCATGTGTCCGATGGAAGAGGTGATGTCAGTGCATGTACAAAGAGATTTTGGATAGC
 AAAATAAAGGAATCACTGCCATAGAAGTATGATGTCAGTGTGAGGAGGGTCTGCCATTCAAAGAAAAG
 CGACAGGAGTCTCTGCTGAGGACGACAGCCGAGAGCGGTGACCAAGGTAACGACAGTCCAGCAGTGC
 TCCAGGAGCACCGAGGAGTCTCTCTCGAAGACGCTTTCACAGAGTCAGAACTCTCTATCCGCGAG
 GAGTGTCTCTCTCGAGCCGAGACAGGAGAAGTATCTGATGCCTCGTCAGAATCTGTGACAGACTGTC
 ATCAGATGGAAGTCCAGTCTTTCAGCAGCCAGTCCAGAGGCTGCTAACGTTCTGACCCGACTAGCTTAA
 CCCTGGGCTCTATCTCATGAAACTGGCTTAAGTGGTCTGGAAACAGCCACTAAAGGAGGAGATAAAGCT
 ACAGAAAGCCTTCAAGAAGTCTCAGGCCAAAGGAACAAAGCACAGAAAGTAAAAGTTCAGGATAACCAGG
 ATTCTTCCACCAGGAAAGTTCAGTGCAGCAAGAGGCAGGTGAAGACAGTGTATCTTCTGGAGAAACAGT
 AGAACTGAAAGAAAAACCAGCTGTTCTTAAAGGATCAACAAGGGCAGGAGTAAAACGGGACTCAGAGACA
 GAAGTAGAGGAGTGCAGCAAACTCTGGAAGTCACTCTATGCAGCAAGCCAAAGCAGCAAAAGGGACACGA
 TTCAGCAGGTGTCACAGAGAGAAAGTAAACACAGCAGCGCAGCAGCAGACGCACATGGAGAGGGCTCCTC
 GCTGTTAAAGGAAAAGCGAAGGCATCGATTACATAAGTTCCTATGTCTCAGAGTCGGAACCAATGAGG
 AAGACCTTTGATCGCAAGCAAGTGTACGATGCAACAGTATGCACAAAGAGATAAAAAACACGAATATT
 GGTTCAGTGCACAAAGAAAGGACAGACCACTTGTATGCCTTCTTCAATTCAGTGGAGTCCAGAAATCTA
 TGCAGAAGATTCTGGTGAATACACCAGAGAGCCTGGATTCATAGTAGTCAAAAAGATGGACGAGTCTGAA
 GCGAATGAAGCCCTGCTGGTGAAGCAGCAGCCAGGGAGTGGGAGGTAGTGTCCGGTGGCTGAGTATCACC
 GCAGGATCGATGCTCTAAATACTGAAGAAGTGCAGCACTCTGCAGACGGCTCCAGATTACTACAAGGGA
 AGACATCAACTCAAAGCAGGTTGCTCCAGCAAAAGCAGACCTGGAGCCTGAATCTTTCCGACCAACCTA
 AGCGACCCAGTGAACCTTACTGCCTGATCAGATTGAAAAGCTTACTAAGCACCTTCCACCAAGAACCA
 TTGGCTATCCATGGACGCTTGTGTACGGTACTGGGAAGCATGGTACAAGTTTGAAGACCCCTTATCGAAC
 AATGACAGGTTTAGACACTCCGGTGTGATGGTATTAAAGACAGTGTGACAGGTTTTTGGTGCATTA
 GCATCAGAGCCATTTAAAGTAAAGTATGGCTTTTACGGTACTGGAGAAACATTTGTTTTTACATTCTGCC
 CAGAATTTGAGGCTTTAAGTGGACAGGAGATAATATGTTTTTTTCAAAGGAGACATGGATTTCATTAGC
 ATTTGGTGGTGGAGGAGGGAATTTGCTCTTTGGCTTGTGAGATCTCTACCATGGAAGAAGCCATTCC
 TGTAAAACGTTTGGGAATCATACTTTTCTAAGAAGGAAGATTTCTTTATCCAAGACATTGAAATCTGGG
 CTTTTGAATAA

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites: SgfI-MluI
ACCN: NM_001130166

Insert Size:	2601 bp
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:	<u>NM_001130166.1</u> , <u>NP_001123638.1</u>
RefSeq Size:	4616 bp
RefSeq ORF:	2601 bp
Locus ID:	170719
UniProt ID:	<u>Q4KMM3</u>
Cytogenetics:	15 B3.1
Gene Summary:	May be involved in protection from oxidative damage.[UniProtKB/Swiss-Prot Function] Transcript Variant: This variant (5) encodes the longest isoform (E). Variants 5 and 7 encode the same protein.