

Product datasheet for **RN217287**

Oxr1 (NM_001197907) Rat Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Oxr1 (NM_001197907) Rat Untagged Clone
Tag:	Tag Free
Symbol:	Oxr1
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin



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Fully Sequenced ORF: >RN217287 representing NM_001197907
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGCATCGCC**

ATGTCTGTATCTAATCTATCATGGTTGAAGAAAAAGTCCCAGTCAGTGGATATTACTGCTCCAGGGTTCA
 ACCCTTTGGGTGGTGCAGGGAAGCAAGCACCAAGCCAGCAAGCCCCAGCACCCAAGACTCCCATCAT
 AGAAGAAGAACAGAACAACTCGGCAAAACCCAGAAGCATCCTTCCAGGAAAAGTGAAGTGAAGAGTTT
 TATACCATTGATACTGGCCAAAAGAAGACCCTAGACAAGAAAGATGGGCGAAGGATGTCTTTTCAGAAGC
 CTAAGGGAATTTGAATATACTGTTGAATCAAGGGATTCTTTGAATAGCATAGCCCTGAAATTTGATAC
 CACACCCAATGAACCTGTTCAAGTAAATAAGTTATTCTCCAGAGCAGTCGTGACTGGACAGGTTTATAC
 GTTCTGTACTGAGTATGTCTCTAGTGTGAAAGTTCCTCATCCCTAAGCCCTGAAGTCTCTGTAC
 CAACATCATCAGAAGCTGAATTTGATAAAACCACTACTCTGATGTAGTCCATCCAAAAGAAGCGCTCC
 TTCATCTACAGAGAGCAGTATTCGGCCTGCAAGAGTTGTATCTTCAACTTCTGAAGAAGAAGAAGCATT
 ACTGAGAAATTTCTTAAATAATTGCAATATATCACCAATGGCAAGGGCACAGTTAGTGGCGTCTCTGC
 TAGTTACACCGAATAACATAATGTTTATCCACATAAGACAGACCCCTGGTTCAAGAGAACGGTTGTGA
 GGAATATGGCATCATGTGTCCGATGGAAGAGGTGATGTCAGTGGCATGTACAAAGAGATTTTGGACAGC
 AAATTAAGGAGTCACTGCCATAGAAGTAGATCAGTTGTGAGGAAGGGGTTCTGCCATTCAAAGAAAA
 TGACAGGAGTCCCTGCTGAGGAAACAGACTCGAGAAGCCGCGATCAGGAAAACGACAGTGTGACACTGC
 TCCCAGGAGCACTGAGGAGTCTCTCTCAGAAGATGTTTTACGGAGTCAAGTCTCTCTATCCGAGAG
 GAGTGCCTCCTCAGAGCTGAGACAAGAGAAGTCACTGACGCCCTCGTCAGAATCTGTGCAACCGTCA
 CTCAGATCGAAGTAGAGTCTTTCAGACCCGCGTCAGAGTCTGTGATGTTCTGACCACTAACCGGCA
 TAGTGGACGTTCTTCAAGCGAAGTTGGGGCTTTATCTCATGAAACTGGTTAAGTAGTCTTGAAATAGCC
 ACTAAGGAAGGAGATAAAGCTACAGGAAACCTCCAAGAAGTCTCAGGCCCTAAAGAACAAAGCACAGATA
 TAAAAGGTGAGGATAACCAAGATTCTTTCCACCACGAAAATTCAGTGCAGCAAGAGGCGAGGTGAAGACAG
 TCTGTCTTCCGGAGAAACAGTGGAACTGACAGAAAAGCCAAGTCTTAAAGGATCAACAAGGGAAGGAA
 CTAACACGGGACTCAGAGACAGAAGTAGAGGAACTGCGCAAACTCTGGAAAACCCACTCTATGCAGCAAG
 CCAACAGCAAAGGGACACCATTACGAGGTGGCACAGAGGGAGAGTAAACACAGAGGCGCACCTGCAGA
 TGCACATGGAGAGGGCTCCTCGTTGTTAAAGGAAAAGAGAAGGCATCGATTACATAAGTTCTTATGTCTC
 CGAGTCGAAAACCAATGAGGAAGACATTTGTATCTCAAGCCAGTGTACGATGCAGCAGTATGCACAGA
 GAGATAAAAAACAGGATTTGGTTTGCAGTGCCACAAGAAAGGACAGACCACTTGATGCCTTCTTCAT
 TCAGTGGAGTCCAGAAATCTACGCAGAAGACACTGGGGAGTACACCAGAGAGCCCGGATTTATAGTGGTC
 AAGAAGATGGCAGAGTCTGGACCAGATGAAGCCCTGCCGGCGAAGCCGAGCCAGGGAGTGGGAGGTAG
 TGTCCGGTGGTGAGTATCACCGCAGGATCGATGCTCTAAACACTGAAGAACTGCGCACACTCTGCAGACG
 TCTCCAGATCACACACGGGAGGACATCAACTCAAAGCAGGCTGCTCCAGCAAAGCAGACCTGGAGCCA
 GAATCTTCCGACCAAACCTAAGTGACCCAGTGAACCTTACTGCCTGATCAGATCGAAAAGCTTACTA
 AGCACCTTCCACCGAGAACCATTGGCTACCCATGGACTTTGTGTACGGTACTGGGAAGCATGGCACCAG
 TTTGAAGACCCCTTACCAGAACAAATGACAGGTCTAGACACTCCGGTGTGATGGTGATTAAGACAGTGT
 GGGCAGGTTTTTGGTGCATTAGCATCAGAGCCGTTTTAAAGTAAGTATGGCTTTTACGGTACTGGAGAAA
 CTTTTGTTTTTACATTCTGTCCAGAATTTGAGGTCTTCAAGTGGACAGGAGATAATGTTTTTTATCAA
 AGGAGACATGGATTGTTAGCGTTTGGTGGGAGGAGGAGAAATTTGCTCTTTGGCTTGACGGAGATCTC
 TACCATGGAAGAAGCCATTCCTGTAAAACGTTTGGGAATCATACACTGTCTAAGAAGGAAGACTTCTTCA
 TCCAAGACATTGAAATCTGGGCTTTTGA**TGA**

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAAGTTTAA

Restriction Sites: Sgfl-Mlul
ACCN: NM_001197907
Insert Size: 2622 bp

OTI Disclaimer:	<p>Due to the inherent nature of this plasmid, standard methods to replicate additional amounts of DNA in E. coli are highly likely to result in mutations and/or rearrangements. Therefore, OriGene does not guarantee the capability to replicate this plasmid DNA. Additional amounts of DNA can be purchased from OriGene with batch-specific, full-sequence verification at a reduced cost. Please contact our customer care team at custsupport@origene.com or by calling 301.340.3188 option 3 for pricing and delivery.</p> <p>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).</p>
OTI Annotation:	Clone contains native stop codon, and expresses the complete ORF without any c-terminal tag.
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_001197907.1</u> , <u>NP_001184836.1</u>
RefSeq Size:	4617 bp
RefSeq ORF:	2622 bp
Locus ID:	117520
Cytogenetics:	7q31
Gene Summary:	<p>protects cells against oxidative stress; may play a role in nucleolar organization or function [RGD, Feb 2006]</p> <p>Transcript Variant: This variant (1) encodes the longest isoform (1). Sequence Note: The RefSeq transcript and protein were derived from genomic sequence to make the sequence consistent with the reference genome assembly. The genomic coordinates used for the transcript record were based on alignments.</p>