

## Product datasheet for **RC231090**

### **OXR1 (NM\_001198534) Human Tagged ORF Clone**

#### Product data:

**Product Type:** Expression Plasmids  
**Product Name:** OXR1 (NM\_001198534) Human Tagged ORF Clone  
**Tag:** Myc-DDK  
**Symbol:** OXR1  
**Synonyms:** CHEGDD; Nbla00307; TLDC3  
**Vector:** pCMV6-Entry (PS100001)  
**E. coli Selection:** Kanamycin (25 ug/mL)  
**Cell Selection:** Neomycin  
**ORF Nucleotide Sequence:** >RC231090 representing NM\_001198534  
**Red=Cloning site Blue=ORF Green=Tags(s)**

TTTTGTAATACGACTCACTATAGGGCGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
GCC**CGATCGCC**

ATGTCTCGTCTCTGGTATGGGAAAAAGGGAGAAGACATCAACCAATTAATCATAAATACACTCTGGTAG  
TGTCAGTGGCTGAGTATCACCGCAGGATCGATGCTCTAAATACTGAAGAACTGCGCACACTCTGCAGACG  
CCTCCAGATTACTACAAGGGAAGACATAAATTCAAAGCAGGTTGCTACAGTGAAAGCAGACTGGAGTCT  
GAATCTTTTCGACCAAACCTAAGTGATCCAGTGAACCTTTACTGCCAGATCAAATTTGAAAAGCTTACCA  
AGCATCTTCCACCAAGAACAATTGGCTATCCATGGACTCTTGTATGGTACTGGAAAACATGGCACAAG  
CTTGAAAACCTTTTATCGAACAATGACAGGTTTAGACACCCAGTCTGATGGTATTAAGACAGTGTAT  
GGACAGGTTTTGGTGCCTTAGCATCTGAGCCACTGAAAGTGAGTGTATGGCTTTTATGGTACTGGAGAGA  
CCTTTGTTTTTACATTCTGTCCGGAGTTTGAGGCTTTAAGTGGACAGGAGATAATATGTTTTTATCAA  
AGGAGACATGGATTCAGCTTTCGGTGGTGGAGGAGGAGAATTTGCGCTTTGGCTTGATGGAGATCTC  
TACCATGGAAGAAGCCATTCTTGTAACGTTTGGGAATCGTACACTTTCTAAGAAGGAAGATTTCTTTA  
TCCAAGATATTGAAATCTGGGCTTTTGAA

**ACGCGT**ACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
ACAAGGATGACGACGATAAGGTTTAA



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**Protein Sequence:** >RC231090 representing NM\_001198534  
Red=Cloning site Green=Tags(s)

MSRLWYGKKGRRHQPINHKYTLVVSVAEYHRRIDALNTEELRTLCRRLQITTTREDINSKQVATVKADLES  
 ESFRPNLSDPSELLLPDQIEKLTKHLPRTIGYPWTLVYGTGKHGTSCLKLYRTMTGLDTPVLMVIKDS  
 GQVFGALASEPLKVSDGFYGTGETFVFTECFEVEVFKWTGDNMFFIKGDMDSLAFGGGGGEFALWLDGDL  
 YHGRSHSCKTFGNRTLKKEDFFIQDIEIWAFF

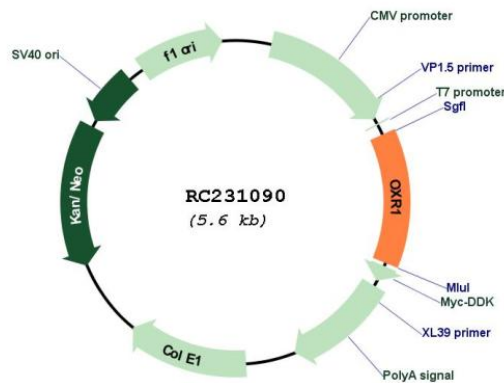
TRTRPLEQKLISEEDLAANDILDYKDDDDKV

**Restriction Sites:** SgfI-MluI

**Cloning Scheme:**



**Plasmid Map:**



**ACCN:** NM\_001198534  
**ORF Size:** 729 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_001198534.1</a> , <a href="#">NP_001185463.1</a>
<b>RefSeq ORF:</b>	732 bp
<b>Locus ID:</b>	55074
<b>UniProt ID:</b>	<a href="#">Q8N573</a>
<b>Cytogenetics:</b>	8q23.1
<b>MW:</b>	28.1 kDa
<b>Gene Summary:</b>	May be involved in protection from oxidative damage.[UniProtKB/Swiss-Prot Function]