

## Product datasheet for **MG218622**

### Oxr1 (NM\_130885) Mouse Tagged ORF Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	Oxr1 (NM_130885) Mouse Tagged ORF Clone
Tag:	TurboGFP
Symbol:	Oxr1
Synonyms:	2210416C20Rik; C7; C7B
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)



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**ORF Nucleotide Sequence:**

>MG218622 representing NM\_130885  
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
 GCC**CGGATCGCC**

ATGTCTTTTCAGAAGCCTAAAGGAACCATTGAATATACTGTTGAATCAAGGGATTCTTTGAATAGCATAG  
 CCTGAAATTTGATACCCACCCCAATGAACTTGTTCAGTTAAATAAGTTATTCTCTCGAGCAGTCGTGAC  
 TGGACAGGTTTTATACGTTCTGATCCTGAATATGTCTCTAGTGTGAGAGTTCCCCATCCCTCAGCCCT  
 GTAAGCCCTCTGTGCGCAACGTATCCGAGGCTGAATTTGATAAAACCACGACTCCAGATGTAGCCCATC  
 CAAAAGAAGCACCCTCGCATCGACTGTGAGCGGTATTCGGCCTGCGAGAGTTGTGTCTTCAACTCTGA  
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 GTCAGTGGCGTCTGCTAGTCACACCAATAACATAATGTTTGATCCACACAAGACAGACCCCTTGGTTC  
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 ACAGTGCCAGCACTGCTCCCAGGAGCACCGAGGAGTCTCTCTCGGAAGACGCTTTCACAGAGTCAGAACT  
 CTCTCCTATCCGCGAGGAGCTGCTCTCCTCGGAGCCGAGACAGGAGAAGTCATCTGATGCCTCGTCAGAA  
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 CAGCAAAGGGACACGATTACAGCAGGTGTACAGAGAGAAAGTAAACACAGCAGCGCAGCAGCAGCGCAC  
 ATGGAGAGGGCTCCTCGCTGTTAAAGGAAAAGCGAAGGCATCGATTACATAAGTTCCTATGTCTCAGAGT  
 CGGAAAACCAATGAGGAAGACCTTTGTATCGCAAGCAAGTGTACGATGCAACAGTATGCACAAAGAGAT  
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 GTTTTACATTCTGCCAGAATTTGAGGTCTTTAAGTGGACAGGAGATAATATGTTTTTTATCAAAGGAG  
 ACATGGATTCAATAGCATTGTTGGTGGAGGAGGGGAATTTGCTCTTTGGCTTGTGGAGATCTCTACCA  
 TGGAAGAAGCCATTCTGTAAAACGTTTGGGAATCATACACTTTCTAAGAAGGAAGATTTCTTTATCCAA  
 GACATTGAAATCTGGGCTTTTGAA

**ACGCGT**ACGCGGCCGCTCGAG - GFP Tag - GTTTAA

**Protein Sequence:** >MG218622 representing NM\_130885  
 Red=Cloning site Green=Tags(s)

```
MSFQPKPGTIEYTVESRDSLNSIALKFDTTPNELVQLNKLFSRAVVTGQVLYVPDPEYVSSVESSPSLSP
VSPLSPTSSEAEFDKTTTPDVAHPKEAPPASTVSGIRPARVVSSTSEEEAFTEKFLKINCKYITIGKGT
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CHSKKATGVSAEDADPRARDQGNDSASTAPRSTEEESLSEDAFTESELSP IREELLSSEPRQEKSSDASSE
SVQTVSQMEVQSLTATSEAAANVPDRTSSNPGALSHETGLSGLETATKGGDKATESLQEVSGPKEQSTEVK
GQDNQDSSHQESSLQQEAGEDSVSSGETVELKEKPAVLKDQQGQELKR DSETEVEELRKLWKTHSMQQA K
QQRDTIQQVSQRESKHSSAAADAHGEGSSLLKEKRRHRLHKFLCLRVGKPMRKT FVSQASATMQYAQRD
KKHEYWF AVPQERTDHL YAFFIQWSPEIYAEDSGEYTRPGFIVVKMDESEANEAPAGEAAAREWEVVS
VAEYHRRIDALNTEELRTL CRRLQITTREDINSKQVAPAKADLEPESFRPNLSDPSELLLPDQIEKLT KH
LPPRTIGYPWTLVYGTGKHGTS LKTL YRTMTGLDTPVLMVIKDSGQVFGALASEPFKVS DGFYGTGETF
VFTFCPEFEVFKWTGDNMFFIKGDMSLAFGGGGGEFALWLDGDL YHGRSHSCKTFGNHTLSKKEDFFIQ
DIEIWA FE
```

TRTRPLE - GFP Tag - V

**Restriction Sites:** SgfI-MluI

**Cloning Scheme:**



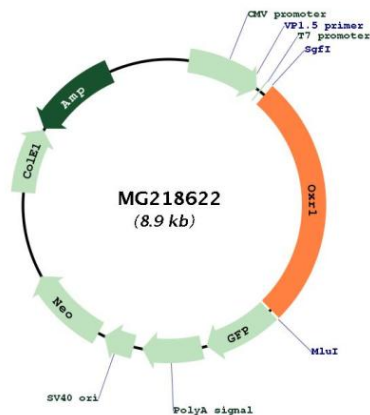
**ACCN:** NM\_130885

**ORF Size:** 2334 bp

**OTI Disclaimer:** 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. [More info](#)

**OTI Annotation:** 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>	<u><a href="#">NM_130885.2</a></u> , <u><a href="#">NP_570955.1</a></u>
<b>RefSeq Size:</b>	4240 bp
<b>RefSeq ORF:</b>	2337 bp
<b>Locus ID:</b>	170719
<b>UniProt ID:</b>	<u><a href="#">Q4KMM3</a></u>
<b>Cytogenetics:</b>	15 B3.1
<b>Gene Summary:</b>	May be involved in protection from oxidative damage.[UniProtKB/Swiss-Prot Function]

**Product images:**


Circular map for MG218622