

Product datasheet for **RG231430**

OXR1 (NM_001198533) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	OXR1 (NM_001198533) Human Tagged ORF Clone
Tag:	TurboGFP
Symbol:	OXR1
Synonyms:	CHEGDD; Nbla00307; TLDC3
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)



[View online »](#)

ORF Nucleotide Sequence:

>RG231430 representing NM_001198533
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGGATCGCC**

ATGTCTGTGTCTAATCTATCATGGCTGAAGAAAAAGTCCCAGTCCGGTGGATATTAATGCTCCAGGGTTCA
 ACCCTTTGGCTGGTGCAGGAAAGCAAACACCACAAGCCAGTAAGCCCCGGCACCCAAGACCCCATCAT
 TGAAAGAAGAGCAGAACAAATGCAGCAAATACTCAGAAACATCCTTCCAGAAGGAGCGAACTGAAGAGGTTT
 TACACAATTGACTACTGGCCAAAAGAAGACCCTAGACAAGAAAGATGGAAGACGAATGCTTTTCAGAAAC
 CTAAGGGGACTATTGAGTATACTGTTGAATCAAGGGATTCTTTGAATAGCATAGCCCTGAAGTTTGATAC
 AACACCTAACGAACCTGTTCAATTAATAAGTTATTCTCCCGAGCAGTTGTTACTGGACAGGTTCTGTAT
 GTTCTGTATCCTGAATATGTCTCCAGTGTGAGAGCTCTCCATCTCTAAGCCCCGTAAGTCTCTGTAC
 CAACATCATCTGAGGCTGAATTTGATAAGACCACTAATCTGATGCCATCCAACAGAAGCAACTCCCTC
 ATCTACTTTCACGGTATTGACCTGCAGAGTTGTATCTCAACTTCTGAGGAGGAGGAAGCATTACT
 GAGAAATTTCTTAAAATTAATTGCAAATATATTACCAGTGGCAAGGGCACAGTCAGTGGTGTCTGTAG
 TTACACCAATAATATAATGTTTGATCCACATAAAAAATGACCCTTTGGTTCAAGAGAATGGCTGTGAGGA
 ATATGGCATCATGTGTCCAATGGAAGAGGTGATGTGAGCTGCAATGTACAAAAGAAATTTGGATAGCAAA
 ATAAAGGAATCTTTACCCATAGATATAGATCAGCTATCAGGAAGGGACTTCTGCCATTCAAAGAAAATGA
 CAGGAAGTAACACTGAGGAAATAGACTCAAGAATCCGAGATGCAGGTAATGATAGTGCCAGCACTGCTCC
 TAGGAGCACTGAGGAGTCTTTTCTGAAGATGTGTTTACAGAATCAGAATTTCCCTATACGAGAGGAG
 CTTGTATCTTCAGATGAAGTGCAGCAAGATAAACTTTCTGGTGCATCAGAATCTGTGCAAACTGTCA
 ATCAGGCTGAAGTAGAAAGTCTGACAGTCAAATCAGAATCTACTGGTACTCCTGGTCAATTAAGATCTGA
 TACTGAACATTTACAAAATGAAGTTGGGACTTTATGTCATAAAAATGATTTAAATAATCTTGAAATGGCC
 ATTAAGGAAGATCAGATTGCAGATAACTTTCAAGGAATATCAGGTCCATAAGAAGACAGCACAAGTATAA
 AAGGTAATTCAGACCAGGATTCTTTTCTCATGAGAATTCGTTACACCAAGAAGAGAGTCAAAAAGAAAA
 TATGCCTTGTGGGAAACAGCAGAAATTTAAACAAAAGCAAAGTGTAAACAAAGGAAAAACAAGGAAAGGAG
 CAAAATCAGGACTCACAGACAGAGGCAGAAGAGCTACGCAAACTTTGGAAAACCCATACTATGCAACAAA
 CTAACAGCAAAGGAAAATATCAACAAGTGTCAAAAAAGAAGCTAAGCATAAAATTACATCTGCTGA
 TGGACACATAGAAAGTTCTGCATTTTAAAAGAAAAGCAAAGGCATCGATTACATAAGTTCTTGTGTCTC
 AGAGTTGAAAACCAATGAGGAAAACGTTTGTATCTCAAGCAAGTGTACAATGCAACAGTATGCACAGA
 GAGATAAGAAACATGAATATTGGTTTGCTGTGCCACAAGAAAGGACAGATCACTTGTATGCCTTCTTCAT
 TCAGTGGAGTCCAGAAATATATGCAGAAGATACTGGCGAATATACCAGAGAACCTGGATTATAGTAGTA
 AAAAGATTGAGGAGTCTGAAACAATTGAGGATTCTAGTAATCAAGCAGCAGCCAGAGAATGGGAGGTAG
 TGTCAAGTGGTGAATATCACCGCAGGATCGATGCTCTAAATACTGAAGAACTGCGCACACTCTGCAGACG
 CCTCCAGATTACTACAAGGGAAGACATAAATTCAAAGCAGGTTGCTACAGTGAAGCAGACCTGGAGTCT
 GAATCTTTTCGACCAAACCTAAGTATCCAGTGAACCTTTACTGCCAGATCAAATGAAAAGCTTACCA
 AGCATCTTCCACCAAGAACAATTGGCTATCCATGGACTCTTGTATGGTACTGGAAAACATGGCACAAG
 CTTGAAAACCTTTATCGAACAATGACAGGTTTAGACACCCAGTGTGATGGTGATTAAGACAGTGTG
 GGACAGGTTTTTGGTGCCTTAGCATCTGAGCCACTGAAAAGTGAAGTGAAGTGGCTTTTATGGTACTGGAGAGA
 CCTTTGTTTTTACATTCTGTCCGGAGTTTGGGCTTTAAGTGGACAGGAGATAATGTTTTTTATCAA
 AGGAGACATGGATTCACTAGCTTTCCGGTGGTGGAGGAGGAGAAATTTGCGCTTTGGCTTGTGAGATCTC
 TACCATGGAAGAAGCCATTCTTGTAAAACGTTTGGGAATCGTACACTTTCTAAGAAGGAAGATTTCTTTA
 TCCAAGATATTGAAATCTGGGCTTTTGAA

ACGGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA

Protein Sequence: >RG231430 representing NM_001198533
 Red=Cloning site Green=Tags(s)

```

MSVSNLSWLKKKSQSVGINAPGFNPLAGAGKQTPQASKPPAPKTPPIIEEQNNAANTQKHPSRRSELKRF
YTIDTGQKKTLDKKDGRMSFQPKGTIEYTVESRDSLNSIALKFDTTPNELVQLNKLFSRAVVTGQVLY
VPDPEYVSSVESPSPSPVSPSPTSSEAEFDKTTNPDVHPTEATPSSTFTGIRPARVVSSTSEEEAFT
EKFLKINCKYITSGKGTVSGVLLVTPNNIMFDPHKNDPLVQENGCEEYGMCPMEEVMSAAMYKEILDSE
IKESLPIDIDLQSGRDFCHSKKMTGSNTEEIDSRIRDAGNDSASTAPRSTEESESLSEVDFTESELSPIREE
LVSSDELQRQDKSSGASSESVQTVNQAEVESLTVKSESTGTPGHLRSDTEHSTNEVGTLCCHKDLNNLEMA
IKEDQIADNFQGISGPKEDSTSIGKNSDQDSFLHENS LHQEE SQKENMPCGETAEFKQKQSVNKGKQKQKE
QNQDSQTEAEELRKLWKHTMQQTKQQRENIQQVSQKEAKHKITSADGHI ESSALLKEKQRHLRHLKFLCL
RVGKPMRKTFFVSQASATMQQYQRDKKHEYWFAVPQERTDHL YAFFIQWSPEIYAEDTGEYTPGFIVV
KKIEESETIEDSSNQAAAREWEVSVVAEYHRRIDALNTEELRTL CRRLQITTTREDINSKQVATVKADLES
ESFRPNLSDPSELLLPDQIEKLT KHLPPRTIGYPWTLVYGTGKHGTS LKTL YRTMTGLDTPVLMVIKDS
GQVFGALASEPLKVSDGFYGTGETFVFVTF CPEFEVFKWTDGNMFFIKGDMDSLAFGGGGGEFALWLDGDL
YHGRSHSCKTFGNRTL SKKEDDFIQDIEIWAFE
  
```

TRTRPLE - GFP Tag - V

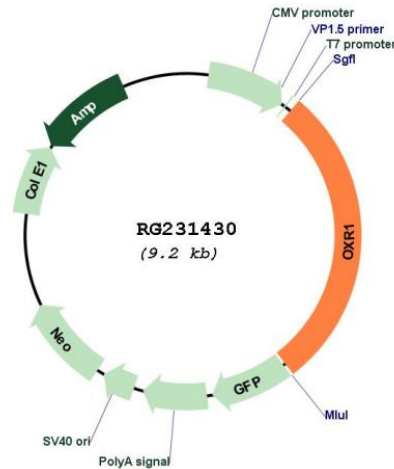
Restriction Sites:

SgfI-MluI

Cloning Scheme:



Plasmid Map:



ACCN: NM_001198533

ORF Size: 2619 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.

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:

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_001198533.1](#), [NP_001185462.1](#)

RefSeq Size: 4716 bp

RefSeq ORF: 2622 bp

Locus ID: 55074

UniProt ID: [Q8N573](#)

Cytogenetics: 8q23.1

Gene Summary: May be involved in protection from oxidative damage.[UniProtKB/Swiss-Prot Function]