

Product datasheet for **RG231431**

OXR1 (NM_001198532) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	OXR1 (NM_001198532) 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)



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ORF Nucleotide Sequence:

>RG231431 representing NM_001198532
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTGCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGGATCGCC**

ATGACGAAGGACAAAAACAGCCAGGGCTGAAGAAAAAGTCCCAGTCGGTGGATATTAATGCTCCAGGGT
 TCAACCCTTTGGCTGGTGCAGGAAAGCAAAACACCAAGCCAGTAAGCCCCGGCACCAAGACCCCAT
 CATTGAAGAAGAGCAGAACAATGCAGCAAACTCAGAAAACATCCTTCCAGAAGGAGCGAACTGAAGAGG
 TTCTACACAATTGACTGGCCAAAAGAAGACCCTAGACAAGAAAGATGGAAGACGAATGTCTTTTCAGA
 AACCTAAAGGGACTATTGAGTACTGTGAATCAAGGGATTCTTTGAATAGCATAGCCCTGAAGTTTGA
 TACAACACCTAACGAACTGTTCAATTAATAAGTTATTCTCCGAGCAGTTGTTACTGGACAGGTTCTG
 TATGTTCTGATCCTGAATATGTCTCCAGTGTGAGAGCTCTCCATCTAAGCCCCGTAAGTCTCTGT
 CACCAACATCATCTGAGGCTGAATTTGATAAGACCACTAATCCTGATGCCATCCAACAGAAGCAACTCC
 CTCATCTACTTTCACTGGTATTCGACCTGCACGAGTTGTATCTTCAACTTCTGAGGAGGAGGAAGCATT
 ACTGAGAAATTTCTTAAATAATTGCAATATATTACCAGTGGCAAGGGCACAGTCAGTGGTGTGCTGC
 TAGTTACACCAAATAATATAATGTTTATCCACATAAAAAATGACCCCTTGGTTCAAGAGAATGGCTGTGA
 GGAATATGGCATCATGTGCCAATGGAAGAGGTGATGTCAGCTGCAATGTACAAAGAAATTTTGGATAGC
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 TGATACTGAACATTCTACAAATGAAGTTGGGACTTTATGTCATAAAACTGATTTAAATAATCTTGAATG
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 CTCAGAGTTGAAAACCAATGAGGAAAACGTTTGTATCTCAAGCAAGTGTACAATGCAACAGTATGCAC
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 GATGGACAGGTTTTTGGTGCCTTAGCATCTGACCACTGAAAGTGAAGTGAAGTGGCTTTTATGGTACTGG
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 CAAAGGAGACATGGATCACTAGCTTTCCGGTGGTGGAGGAGAGAATTTGCGCTTTGGCTTGTGGAGAT
 CTCTACCATGGAAGAAGCCATTCTGTAAAACGTTTGGGAATCGTACACTTTCTAAGAAGGAAGATTTCT
 TTATCCAAGATATTGAAATCTGGGCTTTTGA

ACGGTACGGCGCCGCTCGAG - GFP Tag - **GTTTAA**

Protein Sequence: >RG231431 representing NM_001198532
 Red=Cloning site Green=Tags(s)

MTKDKNSPGLKKKSQSVGINAPGFNPLAGAGKQTPQASKPPAPKTPIIIEEQNNAANTQKHPSSRSELKR
 FYTIDTGQKKTLDKDKGRRMSFQKPKGTIEYTVESRDSLNSIALKFDTPNELVQLNKLFSRAVVTGOVL
 YVPDPEYVSSVESPSLSPVSPLSPTSSEAEFDKTTNPDVHPTEATPSSTFTGIRPARVVSSTSEEEAF
 TEKFLKINCKYITSGKGTVSGVLLVTPNNIMFDPHKNDPLVQENGCEEYGIMCPMEEVMSAAMYKEILDS
 KIKESLPIDIDQLSGRDFCHSKMGTGSNTEEIDSRIRDAGNDSASTAPRSTEESLSEDFVTESELSPIRE
 ELVSSDEL RQDKSSGASSESVQTVNQAEVESLTVKSESTGTPGHLRSDTEHSTNEVGTLCHKTDLNNLEM
 AIKEDQIADNFQGISGPKEDSTSIKGNSDQDSFLHENS LHQEE SQKENMPCGETAEFKQKQSVNKGKQGK
 EQNQDSQTEAEELRKLWKTHMQTKQQRRENIQQVSQKEAKHKITSADGHI ESSALLKEKQRHLHKFLC
 LRVGKPMRKT FVSQASATMQYAQRDKKHEYWFAVPQERTDHL YAFFIQWSPEIYAEDTGEYTPREPGFIV
 VKKIEESETIEDSSNQAAREWEVVSVAEYHRRIDALNTEELRTL CRRLQITTR EDINSKQVATVKADLE
 SESFRPNLSDPSELLLPDQIEKLT KHLPPRTIGYPWTL VYGTGKHGTS LKTL YRTMTGLDTPVLMVIKDS
 DGQVFGALASEPLKVSDFYGTGETFVF TFCPEFEVFKWTDNMFFIKGDMDSLAFGGGGEFALWLDGD
 LYHGRSHSCKTFGNRTL SKKEDFFIQDIEI WAFE

TRTRPLE - GFP Tag - V

Restriction Sites:

SgfI-MluI

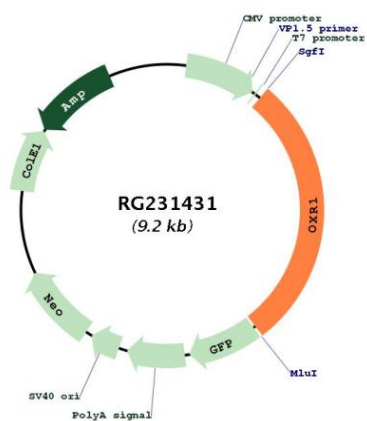
Cloning Scheme:

Cloning sites used for ORF Shuttling:



ACCN:	NM_001198532
ORF Size:	2622 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:	<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:	NM_001198532.1 , NP_001185461.1
RefSeq Size:	4490 bp
RefSeq ORF:	2625 bp
Locus ID:	55074
UniProt ID:	Q8N573
Cytogenetics:	8q23.1
Gene Summary:	May be involved in protection from oxidative damage.[UniProtKB/Swiss-Prot Function]

Product images:



Circular map for RG231431