

Product datasheet for **RC226211**

OXR1 (NM_018002) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	OXR1 (NM_018002) Human Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	OXR1
Synonyms:	CHEGDD; Nbla00307; TLDC3
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



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**ORF Nucleotide
Sequence:**

>RC226211 representing NM_018002
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGGATCGCC**

ATGTCTGTGTCTAATCTATCATGGCTGAAGAAAAAGTCCCAGTCGGTGGATATTAATGCTCCAGGGTTCA
 ACCCTTTGGCTGGTGCAGGAAAGCAAACACCACAAGCCAGTAAGCCCCGGCACCCAAGACCCCCATCAT
 TGAAAGAAGAGCAGAAACAATGCAGCAAATACTCAGAAACATCCTTCCAGAAGGAGCGAACTGAAGAGGTTT
 TACACAATTGACTACTGGCCAAAAGAAGACCCTAGACAAGAAAGATGGAAGACGAATGCTTTTCAGAAAC
 CTAAGGGGACTATTGAGTATACTGTTGAATCAAGGGATTCTTTGAATAGCATAGCCCTGAAGTTTGATAC
 AACACCTAACGAACCTGTTCAATTAATAAGTTATTCTCCCGAGCAGTTGTTACTGGACAGGTTCTGTAT
 GTTCTGTATCCTGAATATGTCTCCAGTGTGAGAGCTCTCCATCTCTAAGCCCCGTAAGTCTCTGTAC
 CAACATCATCTGAGGCTGAATTTGATAAGACCACTAATCTGATGCCATCCAACAGAAGCAACTCCCTC
 ATCTACTTTCACGGTATTGACCTGCAGGAGTTGATCTTCAACTTCTGAGGAGGAGGAAGCATTACT
 GAGAAATTTCTTAAAATTAATTGCAAATATATTACCAGTGGCAAGGGCACAGTCAGTGGTGTGCTGCTAG
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 ATATGGCATCATGTGTCCAATGGAAGAGGTGATGTGAGCTGCAATGTACAAAGAAATTTGGATAGCAAA
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 CAGGAAGTAACACTGAGGAAATAGACTCAAGAAATCCGAGATGCAGGTAATGATAGTGCCAGCACTGCTCC
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 CTTGTATCTTCAGATGAAGTGCAGCAAGATAAACTTCTGGTGCCTCATCAGAATCTGTCAAACTGTCA
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 CTAACAGCAAAGGAAAAATTTCAACAAGTGTCAAAAAAGAAGCTAAGCATAAAATTACATCTGCTGA
 TGGACACATAGAAAGTTCTGCATTTTAAAGAAAAGCAAAGGCATCGATTACATAAGTTCTTGTGTCTC
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 GAGATAAGAAACATGAATATTGGTTTGCTGTGCCACAAGAAAGGACAGATCACTTGTATGCCTTCTTCAT
 TCAGTGGAGTCCAGAAATATATGCAGAAGATACTGGCGAATATACCAGAGAACCTGGATTATAGTAGTA
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ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence: >RC226211 representing NM_018002
 Red=Cloning site Green=Tags(s)

MSVSNLSWLKKKSQSVGINAPGFNPLAGAGKQTPQASKPPAPKTPPIIEEQNNAANTQKHPSRRSELKRF
 YTIDTGQKKTLDKKDGRMSFQPKGTIEYTVESRDSLNSIALKFDTTPNELVQLNKLFSRAVVTGQVLY
 VPDPEYVSSVESSPLSPVSPLSPTSSEAEFDKTTNPDVHPTEATPSSTFTGIRPARVVSSTSEEEAFT
 EKFLKINCKYITSGKGTVSGVLLVTPNNIMFDPHKNDPLVQENGCEEYGMCPMEEVMSAAMYKEILD
 SKIKESLPIDIDLQLSGRDFCHSKMTGSNTEEIDSRIRDAGNDSASTAPRSTEESESLSEVDFTESELSPIRE
 LVSSDEL RQDKSSGASSESVQTVNQAEVESLTVKSESTGTPGHLRSDTEHSTNEVGTLCCHKTDLNNLEMA
 IKEDQIADNFQGISGPKEDSTS IKGNSDQDSFLHENS LHQEE SQKENMPCGETAEFKQKQSVNKGKQKGE
 QNQDSQTEAEELRKLWKHTMQQTKQORENIQQVSQKEAKHKITSADGHI ESSALLKEKQRHLHKFLCL
 RVGKPMRKT FVSQASATMQQYQRDKKHEYWF AVPQERTDHL YAFFIQWSPEIYAEDTGEYTRPGFIVV
 KKIEESETIEDSSNQAAAREWEIT TREDINSKQVATVKADLESE SFRPNLSDPSELLLPDQIEKLTKHLP
 PRTIGYPWTLVYGTGKHGTS LKTL YRTMTGLDTPVLMVIKSDGQVFGALASEPLKVSDFYGTGETFVF
 TFCPEFEVFKWTDGNMFFIKGDMDSLAFGGGGGEFALWLDGDL YHGRSHSCKTFGNRTL SKKEDFFIQDI
 EIWAFF

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites:

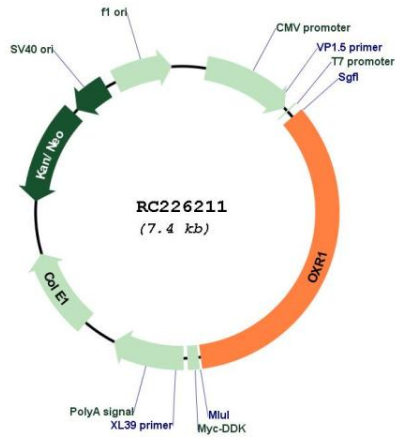
SgfI-MluI

Cloning Scheme:



ACCN:	NM_018002
ORF Size:	2538 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_018002.3 , NP_060472.2
RefSeq Size:	4635 bp
RefSeq ORF:	2541 bp
Locus ID:	55074
UniProt ID:	Q8N573
Cytogenetics:	8q23.1
Domains:	TLDC
MW:	94.7 kDa
Gene Summary:	May be involved in protection from oxidative damage.[UniProtKB/Swiss-Prot Function]

Product images:



Circular map for RC226211