

Product datasheet for **MG218688**

Oxr1 (NM_001130166) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Oxr1 (NM_001130166) 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:

>MG218688 representing NM_001130166
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGGATCGCC**

ATGTCTGTATCTAATCTATCATGGTTGAAGAAAAAGTCCCAGTCAGTGGATATTACTGCTCCAGGGTTCA
 ACCCTTTAGGTGGTGCAGGGAAGCAAGCACCAAGCCAGCAAGCCCCGGCACCCAAGACCCCCATCAT
 CGAAGAAGAACAGAACAACTCAGCAAACACCCAGAAGCATCCTTCCAGAAAAAGTGAAGTGAAGAGGTTT
 TATACCATTGACACTGGCCAAAAGAAGACCTTAGACAAGAAAGATGGGAGAAGGATGTCTTTTCAGAAGC
 CTAAGGAACCATGAATATACTGTTGAATCAAGGGATTCTTTGAATAGCATAGCCCTGAAATTTGATAC
 CACACCAATGAACCTGTTCAAGTAAATAAGTTATTCTCTCGAGCAGTCGTGACTGGACAGGTTTATAC
 GTTCTGTATCCTGAATATGTCTCTAGTGTGAGAGTCCCATCCCTCAGCCCTGAAGCCCTGTGCGC
 CAACGTATCCGAGGCTGAATTTGATAAAACCAGACTCCAGATGTAGCCATCCAAAAGAAGCACCCCC
 GGCATCGACTGTGAGCGTATTCGGCCTGCGAGAGTTGTGTCTCAACTTCTGAAGAAGAAGAAGCCTTT
 ACTGAGAAATTTCTAAAATTAATTGCAATATATCACCATTGGCAAGGGCACAGTCAGTGGCGTCTGTC
 TAGTCACACCAAATAACATAATGTTTATGCCACAAGACAGACCCCTTGGTTCAAGAGAACGGTTGTGA
 GGAATACGGCATCATGTGTCCGATGGAAGAGGTGATGTCAGTGCATGTACAAAGAGATTTTGGATAGC
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 CGACAGGAGTCTCTGCTGAGGACGCAGACCCGAGAGCGGTGACCAGGGTAACGACAGTCCAGCAGTGC
 TCCCAGGAGCACCGAGGAGTCTCTCTCGAAGACGCTTTCACAGAGTCAGAACTCTCTCTATCCGCGAG
 GAGTGTCTCTCTCGGAGCCGAGACAGGAGAATCATCTGATGCCTCGTCAGAATCTGTGACAGTGTCA
 GTCAGATGGAAGTCCAGTCTTTGACAGCCAGTCAGAGGCTGCTAACGTTCTGACCCGACTAGCTTAA
 CCCTGGGGCTCTATCTCATGAAACTGGCTTAAGTGGTCTGGAAACAGCCACTAAAGGAGGAGATAAAGCT
 ACAGAAAGCCTTCAAGAAGTCTCAGGCCAAAGGAACAAAGCACAGAAAGTAAAAGTTCAGGATAACCAGG
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 GCTGTTAAAGGAAAAGCGAAGGCATCGATTACATAAGTTCCTATGTCTCAGAGTCGGAAAACCAATGAGG
 AAGACCTTTGTATCGCAAGCAAGTGTACGATGCAACAGTATGCACAAAGAGATAAAAAACACGAATATT
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 AATGACAGGTTTAGACACTCCGGTGTGATGGTATTAAGACAGTGTGACAGGTTTTTGGTGCATTA
 GCATCAGAGCCATTTAAAGTAAAGTATGGCTTTTACGGTACTGGAGAAACATTTGTTTTACATTCTGCC
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 TGTAAAACGTTTTGGGAATCATACTTTCTAAGAAGGAAGATTTCTTTATCCAAGACATTGAAATCTGGG
 CTTTTGAA

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA

Protein Sequence: >MG218688 representing NM_001130166
 Red=Cloning site Green=Tags(s)

MSVSNLSWLKKKSQSVSDITAPGFNPLGGAGKQAPQASKPPAPKTPIIIEEQNNSANTQKHPSRKSELKRF
 YTIDTGQKKTLDKDGRRMSFQKPKGTIEYTVESRDSLNSIALKFDTPNELVQLNKLFSRAVVTGQVLY
 VPDPEYVSVSESSPSLSPVSPLSPTSSEAEFDKTTTPDVAHPKEAPPASTVSGIRPARVVSSTSEEEAF
 TEKFLKINCKYITIGKGTVSGVLLVTPNNIMFDPHKTDPLVQENGCEEYGMCPMEEVMSAAMYKEILDS
 KIKESLPIELDQLSGRGSCHSKKATGVSADADPRARDQGNSASTAPRSTEESLSEDAFTESELSPIRE
 ELLSSEPRQEKSSDASSEVQTVSQMEVQSLTATSEANVPDRTSSNPGALSHETGLSGLETATKGGDKA
 TESLQEVSGPKEQSTEVEKQDNQDSSHQESSLQQEAGEDSVSSGETVELKEKPAVLKDQQGQELKRDSET
 EVEELRKLWKTHSMQQAQQRDTIQQVSQRESKHSSAAADAHGEGSLLKEKRRHRLHKFLCLRVGKPMR
 KTFVQSASATMQQYAQRDKKHEYWFVAVPQERTDHLAYAFFIQWSPEIYAEDSGEYTPREPGFIVVKMDESE
 ANEAPAGEAAAAREWEVVSVAEYHRRIDALNTEELRTLCRRLQITTREDINSKQVAPAKADLEPESFRPNL
 SDPSELLLPDQIEKLTkHLPPRTIGYPWTLVYGTGKHGTSKTL YRTMTGLDTPVLMVIKSDGQVFGAL
 ASEPFKVSDFYGTGETFVFTFCPEFEVFKWTGDNMFFIKGDMDSLAFGGGGGEFALWLDGDLYHGRSHS
 CKTFGNHTLSKKEDFFIQDIEIWAFA

TRTRPLE - GFP Tag - V

Restriction Sites:

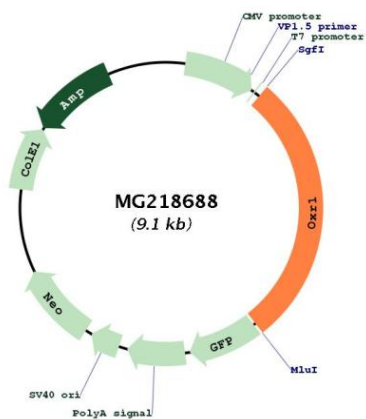
Sgfl-MluI

Cloning Scheme:



ACCN:	NM_001130166
ORF Size:	2598 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_001130166.1 , NP_001123638.1
RefSeq Size:	4616 bp
RefSeq ORF:	2601 bp
Locus ID:	170719
UniProt ID:	Q4KMM3
Cytogenetics:	15 B3.1
Gene Summary:	May be involved in protection from oxidative damage.[UniProtKB/Swiss-Prot Function]

Product images:



Circular map for MG218688