

Product datasheet for **MG215830**

Oxr1 (NM_001130164) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Oxr1 (NM_001130164) 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)
ORF Nucleotide Sequence:	>MG215830 representing NM_001130164 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGTCCCGTCTCTGGTATGGGAAAAAGGGAGAAGACATCAGCCAGTTAACCATAAATACACTCTGATTA
CTACAAGGAAGACATCAACTCAAAGCAGGTTGCTCCAGCAAAGCAGACCTGGAGCCTGAATCTTTCCG
ACCAAACCTAAGCGACCCAGTGAAGTCTTACTGCCTGATCAGATTGAAAAGCTTACTAAGCACCTTCCA
CCAAGAACCATTGGCTATCCATGGACGCTTGTGTACGGTACTGGGAAGCATGGTACAAGTTTGAAGACCC
TTTATCGAACAATGACAGGTTTAGACACTCCGGTCTGATGGTGATTAAGACAGTGATGGACAGGTTTT
TGGTGCATTAGCATCAGAGCCATTTAAAGTAAGTGATGGCTTTTACGGTACTGGAGAAACATTTGTTTTT
ACATTCTGCCAGAAATTTGAGGTCTTTAAGTGGACAGGAGATAATATGTTTTTTTCAAAGGAGACATGG
ATTCATTAGCATTTGGTGGTGGAGGAGGGGAATTTGCTCTTTGGCTTGATGGAGATCTCTACCATGGAAG
AAGCCATTCTGTAAAACGTTTGGGAATCATACTTTCTAAGAAGGAAGATTTCTTTATCCAAGACATT
GAAATCTGGGCTTTTGAA

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA



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Protein Sequence: >MG215830 representing NM_001130164
 Red=Cloning site Green=Tags(s)

MSRLWYGKKGRRHQPNVNHKYTLITTREDINSKQVAPAKADLEPESFRPNLSDPSELLLPDQIEKLTkHLP
 PRTIGYPWTLVYGTGKHGTSKLTLYRTMTGLDTPVLMVIKSDGQVFGALASEPFKVSDGFYGTGETFVF
 TFCPEFEVFKWTGDNMFFIKGDMDSLAFGGGGGEFALWLDGDLYHGRSHSCKTFGNHTLSKKEDFFIQDI
 EIWAFF

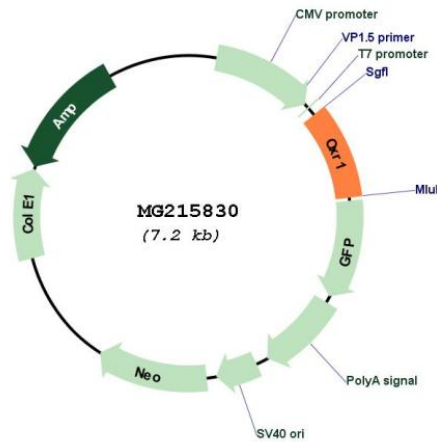
TRTRPLE - GFP Tag - V

Restriction Sites: SgfI-MluI

Cloning Scheme:



Plasmid Map:



ACCN: NM_001130164

ORF Size: 648 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_001130164.1 , NP_001123636.1
RefSeq Size:	2529 bp
RefSeq ORF:	651 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]