

Product datasheet for **MR217392**

Oxr1 (NM_001130165) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Oxr1 (NM_001130165) Mouse Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Oxr1
Synonyms:	2210416C20Rik; C7; C7B
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



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ORF Nucleotide Sequence:

>MR217392 representing NM_001130165
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGCATCGCC**

ATGGACTACCTGACCACGTTACCCGGCAAGAGCGGCCGGTCTGCGGGGCACGGCCAGCCGCTGTGGG
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Protein Sequence: >MR217392 representing NM_001130165
Red=Cloning site Green=Tags(s)

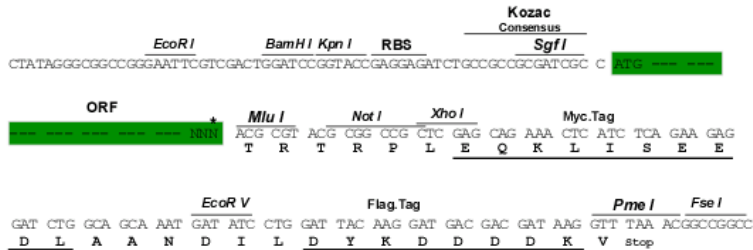
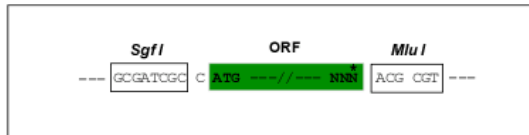
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LWKTHSMQQAQQQRDTIQVVSQRESKHSSAAADAHGEGSSLLKEKRRHRLHKFLCLRVGKPMRKTFFVSA
SATMQQYAQRDCKHEYWFVAPQERTDHL YAFFIQWSPEIYAEDSGEYTPREPGFIVVKKMDESEANEAPAG
EAAAREWEITTRREDINSKQVAPAKADLEPESFRPNLSDPSELLLPDQIEKLTKHLPPRTIGYPWTLVYGT
GKHGTSKLTLYRTMTGLDTPVLMVIKSDGQVFGALASEPFKVSDFYGTGETFVF TFCPEFEVFKWTGD
NMFFIKGDMSLAFGGGGGEFALWLDGDLYHGRSHSCKTFGNHTLSKKEDFFIQDIEIWAFFE

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites: Sgfl-MluI

Cloning Scheme:

Cloning sites used for ORF Shuttling:



* The last codon before the Stop codon of the ORF

ACCN: NM_001130165

ORF Size: 2496 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_001130165.2](#)

RefSeq Size: 4271 bp

RefSeq ORF: 2499 bp

Locus ID: 170719

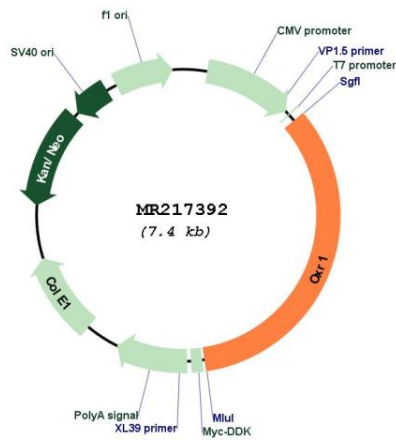
UniProt ID: [Q4KMM3](#)

Cytogenetics: 15 B3.1

MW: 92.2 kDa

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

Product images:



Circular map for MR217392