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Product datasheet for MR217379

Oxr1 (NM_001130163) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Oxr1 (NM_001130163) Mouse Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Oxr1
Synonyms:	2210416C20Rik; C7; C7B
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin

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ORF Nucleotide Sequence:

>MR217379 ORF sequence
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCCGCGATCGCC

ATGTCTTTTCAGAAGCCTAAAGGAACCATTGAATATACTGTTGAATCAAGGGATTCTTTGAATAGCATAG
CCCTGAAATTTGATACCACACCCAATGAACTTGTTCAGTTAAATAAGTTATTCTCTCGAGCAGTCGTGAC
TGGACAGGTTTTATACGTTCCTGATCCTGAATATGTCTCTAGTGTTGAGAGTTCCCCATCCCTCAGCCCT
GTAAGCCCTCTGTCGCCAACGTCATCCGAGGCTGAATTTGATAAAACCACGACTCCAGATGTAGCCCATC
CAAAAGAAGCACCCCCGGCATCGACTGTGAGCGGTATTCGGCCTGCGAGAGTTGTGTCTTCAACTTCTGA
AGAAGAAGAAGCCTTTACTGAGAAATTTCTTAAAATTAATTGCAAATATATCACCATTGGCAAGGGCACA
GTCAGTGGCGTCCTGCTAGTCACACCAAATAACATAATGTTTGATCCACACAAGACAGACCCCTTGGTTC
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TGCCATTCAAAGAAAGCGACAGGAGTCTCTGCTGAGGACGCAGACCCGAGAGCGCGTGACCAGGGTAACG
ACAGTGCCAGCACTGCTCCCAGGAGCACCGAGGAGTCTCTCTCGGAAGACGCTTTCACAGAGTCAGAACT
CTCTCCTATCCGCGAGGAGCTGCTCTCCTCGGAGCCGAGACAGGAGAAGTCATCTGATGCCTCGTCAGAA
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CGAACAATGACAGGTTTAGACACTCCGGTGCTGATGGTGATTAAAGACAGTGATGGACAGGTTTTTGGTG
CATTAGCATCAGAGCCATTTAAAGTAAGTGATGGCTTTTACGGTACTGGAGAAACATTTGTTTTCACATT
CTGCCCAGAATTTGAGGTCTTTAAGTGGACAGGAGATAATATGTTTTTTATCAAAGGAGACATGGATTCA
TTAGCATTTGGTGGTGGAGGAGGGGAATTTGCTCTTTGGCTTGATGGAGATCTCTACCATGGAAGAAGCC
ATTCCTGTAAAACGTTTGGGAATCATACACTTTCTAAGAAGGAAGATTTCTTTATCCAAGACATTGAAAT
CTGGGCTTTTGAA

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence:

>MR217379 protein sequence
Red=Cloning site Green=Tags(s)

MSFQKPKGTIEYTVESRDSLNSIALKFDTTPNELVQLNKLFSRAVVTGQVLYVPDPEYVSSVESSPSLSP
VSPLSPTSSEAEFDKTTTPDVAHPKEAPPASTVSGIRPARVVSSTSEEEEAFTEKFLKINCKYITIGKGT
VSGVLLVTPNNIMFDPHKTDPLVQENGCEEYGIMCPMEEVMSAAMYKEILDSKIKESLPIELDQLSGRGS
CHSKKATGVSAEDADPRARDQGNDSASTAPRSTEESLSEDAFTESELSPIREELLSSEPRQEKSSDASSE
SVQTVSQMEVQSLTATSEAANVPDRTSSNPGALSHETGLSGLETATKGGDKATESLQEVSGPKEQSTEVK
GQDNQDSSHQESSLQQEAGEDSVSSGETVELKEKPAVLKDQQGQELKRDSETEVEELRKLWKTHSMQQAK
QQRDTIQQVSQRESKHSSAAADAHGEGSSLLKEKRRHRLHKFLCLRVGKPMRKTFVSQASATMQQYAQRD
KKHEYWFAVPQERTDHLYAFFIQWSPEIYAEDSGEYTREPGFIVVKKMDESEANEAPAGEAAAREWEITT
REDINSKQVAPAKADLEPESFRPNLSDPSELLLPDQIEKLTKHLPPRTIGYPWTLVYGTGKHGTSLKTLY
RTMTGLDTPVLMVIKDSDGQVFGALASEPFKVSDGFYGTGETFVFTFCPEFEVFKWTGDNMFFIKGDMDS
LAFGGGGGEFALWLDGDLYHGRSHSCKTFGNHTLSKKEDFFIQDIEIWAFE

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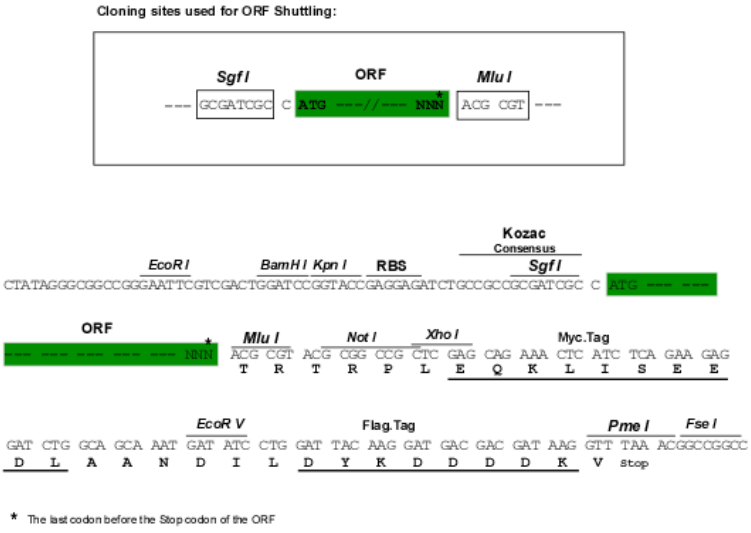
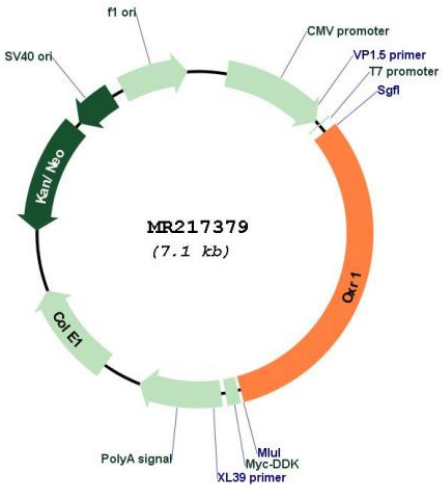
Restriction Sites: SgfI-MluI

Cloning Scheme:



Plasmid Map:



ACCN:	NM_001130163
ORF Size:	2253 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_001130163.1, NP_001123635.1
RefSeq Size:	4176 bp
RefSeq ORF:	2256 bp
Locus ID:	170719

UniProt ID:	Q4KMM3
Cytogenetics:	15 B3.1
MW:	83 kDa
Gene Summary:	May be involved in protection from oxidative damage.[UniProtKB/Swiss-Prot Function]