

## Product datasheet for **RR216662**

### Oxa1l (NM\_001168583) Rat Tagged ORF Clone

#### Product data:

**Product Type:** Expression Plasmids  
**Product Name:** Oxa1l (NM\_001168583) Rat Tagged ORF Clone  
**Tag:** Myc-DDK  
**Symbol:** Oxa1l  
**Vector:** pCMV6-Entry (PS100001)  
**E. coli Selection:** Kanamycin (25 ug/mL)  
**Cell Selection:** Neomycin  
**ORF Nucleotide Sequence:** >RR216662 representing NM\_001168583  
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
GCC**GCGATCGCC**

ATGGCGATGGGTTTCAGTTTGGCGTGGTGGCAGCTTCTGCGACTCCTACAGCCCCGCGTTTCGTTCCACA  
GCGTCGCAGGGTCCCTGAAACCGCTGGCAACCAAGCTCCTCGCAGCCCCGCTCGGGTAGTGGGCGGCCACA  
CTACGCTCTTCTCGCCGTCCTAACCCTCGTCATCAGTACATCTGCTGCCCTTTGCGAGAAGCCCAG  
GTCCAGGTACCTCCTGTTGTTCCCTGCTGCCTCAGCCCCTGCTGCAGTACCAGAGGTAGCTTCTGCAGGAC  
CTGCAGATGTCGTCAGTGTGCAACAGAACAGAGCTTCGAGAACTGGGGCTTGGCTTTACACCCCACT  
GGGACTCATCCAGAACCTCTTGAATATATACATGTGGACCTGGGCTGCCTTGGTGGGGGCCATTGCC  
ACGTGTACTGTCTTGCCCGCTGCCTTGTTCCTCTCATTGTGAAGGGCCAGCGAGAAGCAGCCAAGA  
TCCACAACCACATGCCGGAGATGCAGAAGTTTTCCGCTCGAATCAGAGAGGCCAAGTTGTCAGGAGACCA  
GGCTGAGTTTTACAAGGCCACCATAGAGATGACCCACTATCAGAAAAAGCATGACATTAATTTTCAGG  
CCGCTCATCTACCTCTCACTCAGGCCCCATCTCATCTCCTTCTTTATTGCCTTGAGAGAGATGGCCA  
ACCTGCCTGTGCCAGCCTCCAGACAGGTGGGCTCTGGTGGTTTCAAGATCTCACGGTATCTGATCCCAT  
CTACGTCTTGCCACTGGTAGTCACTGCCACAATGTGGGGTGTCTTGAGCTAGGCCTGAGACAGGTATG  
CAGAGCTCTGACCTCCAGCTCATGAGGAACGTCATCAGGGTATGCTCTAGCAGTCTTGCCCGTACTA  
TCCACTTCCCCTCGGCGGTGTTTCATGTACTGGTGTCTTCCAACGTGTTCTCCCTGTGCCAAGTAGCCTG  
CCTCCGGTTTTCCAGCTGTGCGCACAGCACTCAAGATCCCCCAGCGAGTTGTGCATGACCCTAGCAAGTTA  
CCTCCCAGGGAAGGCTTCTTGAAGAGCTTCAAAAAGGCTGGAAGAATGCTGAAATTGCACATCGGCTCC  
GAGAGCGGGAGGAGCGGATGCAGAAACACTTGGACCTAGCTGCCAGAGGACCCTTACGACAGACTTTTAC  
CCACAACCCTCTGCTACAGCATGATCCAAGTCGCTCCCCAACACCCCCAACAGCAGCACCAACAGCGTC  
AAAGCAACACAAGAAGCCGTGGCAGGACACACTCGGC

**ACGCGT**ACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
ACAAGGATGACGACGATAAGGTTTAA



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Protein Sequence: >RR216662 representing NM\_001168583  
 Red=Cloning site Green=Tags(s)

MAMGSVCRRWQLRLQLPPRSFHSVAGSLKPLATKLLAARSGSGRPHYALLAVLTPRCISTSAALFAEAQ  
 VQVPPVPAASAPAAVPEVASAGPADVVQCATEQSF AELGLGSYTPVGLIQNLL EYIHVDLGLPWWGAI A  
 TCTVLARCLVPLIVKGR EAAKIHNHMP EMQKF SARIREAKL SGDQAEFYKATIEMTHYQKKHDIKFFR  
 PLILPLTQAPIFISFFIALREMANLPVPSLQTGGLWWFQDLTVSDPIYVLPVLTATMWGVLELGAETGM  
 QSSDLQLMRNVIRVMPLAVLPVTIHFPSAVFMYWLLSSNVFSLCQVACLRFPAVRTALKIPQRVVHDP SKL  
 PPREGFLKSFKKGWKNAEIAHRLREREERMQKHLDLAARGPLRQTFTHNPLLQHDPSRSPNTPNSSTNSV  
 KANTKKPWQDTLG

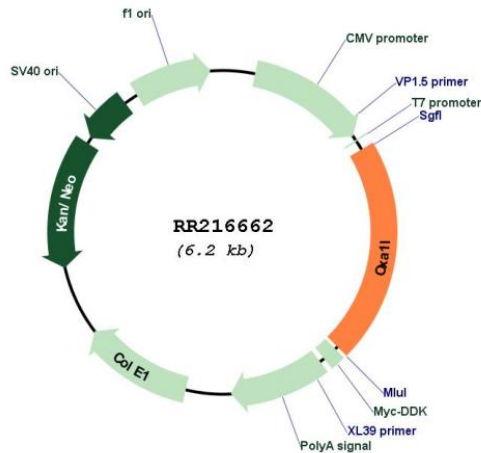
TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites: SgfI-MluI

Cloning Scheme:



Plasmid Map:



<b>ACCN:</b>	NM_001168583
<b>ORF Size:</b>	1299 bp
<b>OTI Disclaimer:</b>	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. <a href="#">More info</a>
<b>OTI Annotation:</b>	This clone was engineered to express the complete ORF with an expression tag. Expression varies depending on the nature of the gene.
<b>Components:</b>	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).
<b>Reconstitution Method:</b>	<ol style="list-style-type: none"><li>1. Centrifuge at 5,000xg for 5min.</li><li>2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA.</li><li>3. Close the tube and incubate for 10 minutes at room temperature.</li><li>4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom.</li><li>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.</li></ol>
<b>RefSeq:</b>	<a href="#">NM_001168583.1</a> , <a href="#">NP_001162055.1</a>
<b>RefSeq Size:</b>	1531 bp
<b>RefSeq ORF:</b>	1302 bp
<b>Locus ID:</b>	691393
<b>Cytogenetics:</b>	15p13
<b>MW:</b>	48 kDa