

## Product datasheet for **RR216361**

### Olig2 (NM\_001100557) Rat Tagged ORF Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	Olig2 (NM_001100557) Rat Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Olig2
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin
ORF Nucleotide Sequence:	>RR216361 representing NM_001100557 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
GCC**CGATCGCC**

ATGGACTCGGACGCCAGCCTGGTGTCTAGTCGCCCGTCGTCGCCAGAACCCGATGATCTTTTTCTGCCGG  
CCCCGAGCAAGGGGGAAGCAGCAGCGGCTTACAGGAGGAACCGTGTCTCATCCACGCCGAGCGACTG  
CCCGCCAGAGCTGAGCTCCGAGCTGCGAGGATGCGAGGATGGGCACGGCGGCGCATCCCGGGACAACTG  
GGCGGGCGGTGGCTTCAAGTCATCTTCTCCAGCACCTCCTCGTCCACGTGTCGGCGGCCACGTCTCCA  
CCAAGAAAGATAAGAAGCAGATGACTGAGCCCGAGCTGCAGCAGCTGCGCCTGAAGATCAACAGCCGCGA  
GCGCAAGCGCATGCACGACCTAACATCGCCATGGACGGCCTGAGGGAGGTATGCCGTACGCGCACGGC  
CCGTGGTGCGCAAGCTCTCAAGATCGCCACGCTGCTGCTGGCGGAACTACATCCTGATGCTACCA  
ACTCGTGGAGGAGATGAAGAGACTGGTGAAGGATTTACGGGGTACCACGCCGGCTTCCACCCGTC  
GGCCTGTGGCGGGCTGGCACACTCGACGCTTACCCACCGCCACGGCGCACCTGCAGCCGCCGCGCAC  
GCCGCGCACCCCGGGGTGCATACCCCATCTCCCTCCAGCAGCCGGCGCCGAGCCGCCGAGCCG  
CTGCCGACGGGTGCCAGCGCTTCTGCGGGCTCCGGGTGTCTCGGTGGATCCATCCGGCTCC  
TCACGGCCTGCTCAAGTCTCCATCGGCAGCCGCGCCGCCCTCTCGAGGCGGGGTGGAGGCAGCGGT  
GGCAGCGGTGGCTTCCAGCACTGGGGTGGCATGCCGTGCCCTGCAGCATGTGCCAGGTGCCGCCGCCAC  
ACCACCAGTGTGGCTATGGGCGCCGGCACCTTGCCGCGCTCACCTCCGACGCCAAG

**ACGCGT**ACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
ACAAGGATGACGACGATAAGGTTAA



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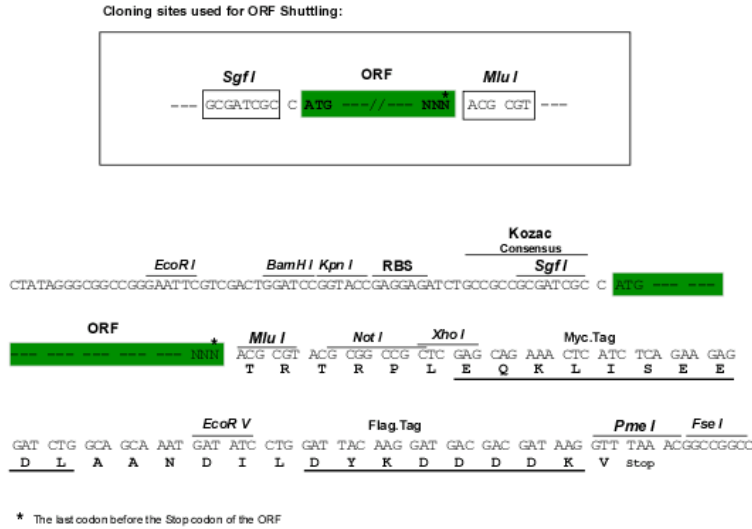
**Protein Sequence:** >RR216361 representing NM\_001100557  
 Red=Cloning site Green=Tags(s)

MDSASLVSSRPSSPEPDDLFLPARSKGGSSSGFTGGTVSSSTPDCPELSSSELRGAMGTAGAHPGDKL  
 GGGGFKSSSSSTSSSTSSAATSSTKKDKKQTEPELQQLRLKINSRERKRMHDLNIAMDGLREVMPYAHG  
 PSVRKLSKIATLLLLARNYILMLTNSLEEMKRLVSEIYGGHHAGFHPSACGGLAHSTPLPTATAHPAAAAH  
 AAHHPAVHHPIILPPAAAAAAAAAAAAAVSSASLPGSGLSSVGSIRPPHGLLKSPSAAAAAPLGGGGGSG  
 GSGGFQHWGGMPCPCSMCQVPPPHHHVVSAMGAGTLPRLTSDAK

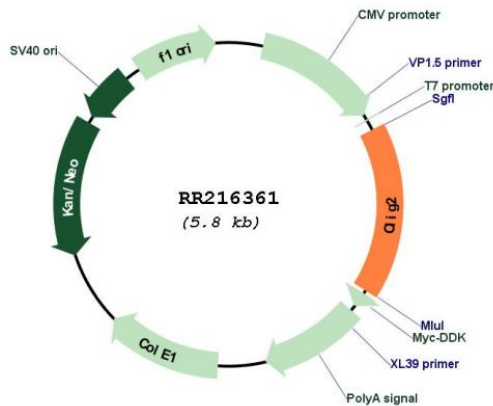
TRTRPLEQKLISEEDLAANDILDYKDDDDKV

**Restriction Sites:** SgfI-MluI

**Cloning Scheme:**



**Plasmid Map:**



**ACCN:** NM\_001100557

<b>ORF Size:</b>	969 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_001100557.1</a> , <a href="#">NP_001094027.1</a>
<b>RefSeq Size:</b>	2650 bp
<b>RefSeq ORF:</b>	972 bp
<b>Locus ID:</b>	304103
<b>Cytogenetics:</b>	11q11
<b>MW:</b>	32.5 kDa