

## Product datasheet for **RR216256**

### Otx2 (NM\_001100566) Rat Tagged ORF Clone

#### Product data:

Product Type: Expression Plasmids  
Product Name: Otx2 (NM\_001100566) Rat Tagged ORF Clone  
Tag: Myc-DDK  
Symbol: Otx2  
Vector: pCMV6-Entry (PS100001)  
E. coli Selection: Kanamycin (25 ug/mL)  
Cell Selection: Neomycin  
ORF Nucleotide Sequence: >RR216256 representing NM\_001100566  
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
GCC**CGATCGCC**

ATGATGTCTTATCTAAAGCAACCGCCTTACGCAGTCAATGGGCTGAGTCTGACCACTTCGGGTATGGACT  
TGCTGCATCCCTCCGTGGGCTACCCGGCCACTCCCCGAAACAGCGGAGGGAGAGGACTACTTTCACGAG  
GGCACAACCTTGACGTTCTGGAAGCTCTGTTTGCCAAGACCCGGTACCCAGACATCTTCATGCGGGAGGAG  
GTAGCACTGAAAAATCAACTTGCCAGAGTCCAGGGTGCAGGTATGGTTTAAGAATCGAAGAGCTAAGTGCC  
GTCAGCAACAGCAGCAGCAACAGAACGGAGGTCAGAACAAGTGAGACCTGCCAAAAAGAAGACCTCCCC  
AGCTCGGGAAGTGAGTTCAGAGAGTGGAACAAGTGCCAGTTCCTACTCCCCCTCTAGTACCTCAGTCCCA  
ACCATTGCCAGCAGCAGTGTCCAGTGTCTATCTGGAGCCCGCCTCCATCTCCCCACTGTCTGACCCCT  
TGTCCACCTCCTCCTCCTGCATGCAGAGGTCCTACCCATGACCTATACTCAGGCTTCAGGTTATAGTCA  
AGGCTATGCTGGCTCGACTTCTACTTTGGGGCATGGACTGTGGATCTTACTTGACCCCTATGCATCAC  
CAGCTTCTCGACAGGGGCCACTCAGTCCCATGGGTACCAATGCTGTTACCAGCCACCTCAATCAGT  
CCCCAGCTTCTTTCCACCCAGGGATATGGAGCTTCAAGCTTGGGTTTTAACTCAACCACTGATTGCTT  
GGATTATAAGGACCAAACTGCCTCTTGAAGCTTAACTTCAATGTGACTGCTTGGATTATAAGGATCAG  
ACATCCTCATGGAAATCCAGGTTTTG

**ACGCGT**ACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCCTGGATT  
ACAAGGATGACGACGATAAGGTTTAA



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Protein Sequence: >RR216256 representing NM\_001100566  
 Red=Cloning site Green=Tags(s)

MMSYLKQPPYAVNGLSLTTSGMDLLHPSVGYPATPRKQRRERTTFTRAQLDVLEALFAKTRYPDIFMREE  
 VALKINLPESRVQVWFKNRRACRQQQQQQNGGQNKVRPAKKKTSAPAREVSSSESGTSGQFTPPSSTSV  
 P TIASSAPVSIWSPASISPLSDPLSTSSSCMQRSYPMYTYQASGYSQGYAGSTSYFGGMDCGSYLTPMH  
 H QLPGPATLSPMGNTAVTSHLNQSPASLSTQGYGASSLGFNSTTDCLDYKDQTASWKLNFNADCLDYKDQ  
 TSSWKVFQVL

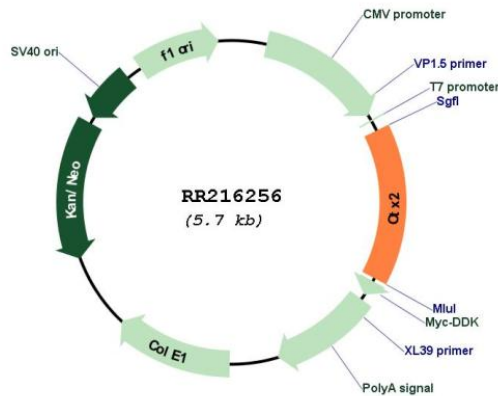
TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites: SgfI-MluI

Cloning Scheme:



Plasmid Map:



ACCN: NM\_001100566

<b>ORF Size:</b>	867 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_001100566.1</a> , <a href="#">NP_001094036.1</a>
<b>RefSeq Size:</b>	2339 bp
<b>RefSeq ORF:</b>	870 bp
<b>Locus ID:</b>	305858
<b>Cytogenetics:</b>	15p14
<b>MW:</b>	31.6 kDa