

## Product datasheet for **RR215126**

### Tox (NM\_001108654) Rat Tagged ORF Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	Tox (NM_001108654) Rat Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Tox
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin



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**ORF Nucleotide Sequence:**

>RR215126 representing NM\_001108654  
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
 GCC**GCGATCGCC**

ATGGACGTAAGATTTTATCCACCTCCAGCCAGCCCGCTGCTGCGCCCGCCGCTCCCTGTCTGGACCTT  
 CTCCTGCCTGGACCCCTACTATTGCAACAAGTTTGACGGTGAGAACATGTATATGAGCATGACAGAGCC  
 GAGCCAGGACTATGTGCCAGTCAGCCAGTCTACCCTGGCCAAAGCTGGAAGTGAAGACTTTAACATC  
 CCACCCATTACTCCTCCCTCACTCCCTGACCCTCTCTGGTGCACCTGAATGAGGTGGAGTCCGGTTACC  
 ACTCTCTGTGTACCCCCATGAACCACAATGGCCTGCTTCCATTCCATCCACAAAACATGGACCTGCCAGA  
 GATCACCGTGTCCAACATGCTGGGCCAGGATGGCACACTGCTCTCCAATCCATCTCTGTGATGCAAGAG  
 ATTGGAATGCTGAAGGAGCTCAGTACAGTTCCTCCTCAGCTGGCAGCCATGAGGCCGAGAGGCCAGC  
 CTACAGACCTCAGACAGCAGGCAAGCATGATGCAGCACGGCCAGCTGACCACCATCAACCAGTACAGCT  
 GAGCGCACAGTTGGCTTGAACATGGGAGGAACCAACGTCCACACAACCTCCCTTCTCCACCTGGGAGC  
 AAGTCTGCAACCCCTTCGCCTTCCAGCTCGGTGCATGAGGATGAGTGTGAGGATACCTCCAAGATCAATG  
 GAGGAGAGAAGCGGCCTGCCTCTGATATGGGAAAAAACCAAAACTCCTAAAAAGAAAGAAGAAGAGGA  
 TCCATATGAGCCCAAGAAGCCTGTGTCTGCCTATGCTTTGTTCTTTCTGTGATACCCAGGCTGCCATCAAG  
 GGCCAAAATCAAATGCTACTTTTGGTGAAGTCTTAAGATTGTGGCATCCATGTGGGATGGCCTAGGAG  
 AAGAGCAGAAACAGGTCTACAAGAAGAAAACCTGAGGCTGCAAAAAGGAATACCTGAAGCAGCTAGCAGC  
 ATACAGAGCCAGCCTTGTATCCAAGAGCTACAATGACCCTGTGGATGTTAAGACATCTCAGCCACCCAG  
 CTGGTCAACTCCAAGCCGTCAGTGTCCATGGGCCAGCCAGGCCACTCAGCTCTGTACCAAGTTCTC  
 ACTATCACAACAACCAGGAATGACTCTCAGCTCACCGCCATGCATCCGAGCCTCCCAAGAACATGATG  
 ACCTAAGCCCAATAACCAATGCCAGTACTGTCTCCATAGCCAACATGGCTGTGTCCCCACCACCGCCC  
 CTCCAATCAGCCACCTCTTATCAGCATCTCAGCATGCAGCAGCATCAGCCACTTGTGCAGCAGCCTC  
 TTGCGAGTCAGCTCCCCATGCAGGTCCAGACCGCCTTACACTCGCCACCATGCAGCAAGGATTTACTCT  
 CCAACCCGACTATCAGACTATTATCAACCTACATCTACAGCCGACAAGTTGTACCCAAGCGATGGAG  
 TACGTGCGTTCTGGGTGCAGAAATCCTCCCCACAGCCGGTGGACTGGAGTACCGACTACTGCAGTAGTG  
 GGGCATGCAGAGGGACAAGCGCTGTACCTCACC

**ACGCGT**ACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
 ACAAGGATGACGACGATAAGGTTTAA

**Protein Sequence:**

>RR215126 representing NM\_001108654  
 Red=Cloning site Green=Tags(s)

MDVRFYPPPAQPAAPAAAPCLGSPCLDPYYCNKFDGENMYMSMTEPSQDYVPVSQSYPGSPLESEDFNI  
 PPITPPSLPDHSLVHLNEVESGYHSLCHPMNHNGLLPFHPQNMDLPEITVSNMLGQDGTLLSNSISVMQE  
 IGNAEGAQYSSHPQLAAMRPRGQPTDLRQQASMMQHGLTTINQSQLSAQLGLNMGGTNPVPHNSPSPGGS  
 KSATPSPSSVHEDECEDTSKINGGKRPASDMGKPKTPKKKKKDPNEPQKPVSAAYLFFRDTQAAIK  
 GQNP NATFGEVSKIVASMW DGLGEEQKQVYKKKTEAAKKEYLKQLAAYRASLVSKSYNDPVDVKTSQPPQ  
 LVNSKPSV FHGSPQAHSALYLSHYHQPGMTPQLTAMHPSLPRNIAPKPNQMPVTVSIANMAVSPPPP  
 LQISPLHQHLSMQHQPLVQQPLASQLPMQVQTALHSPTMQQGF TLQPDYQTIINPTSTAAQVVTQAME  
 YVRSGCRNPPQPVDWSTDYCSSGGMQRDKALYLT

**TR**TRPLEQKLISEEDLAANDILDYKDDDDKV

**Restriction Sites:**

Sgfl-Mlul

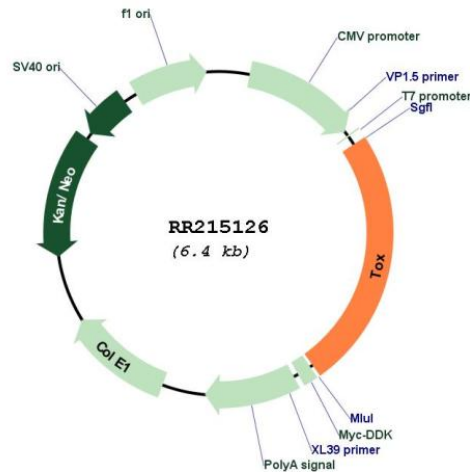
Cloning Scheme:

Cloning sites used for ORF Shuttling:



\* The last codon before the Stop codon of the ORF

## Plasmid Map:



ACCN: NM\_001108654

ORF Size: 1575 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\\_001108654.1](#), [NP\\_001102124.1](#)

**RefSeq Size:** 3093 bp

**RefSeq ORF:** 1578 bp

**Locus ID:** 362481

**Cytogenetics:** 5q12

**MW:** 57.3 kDa