

## Product datasheet for **MR212216**

### Tox2 (NM\_001098799) Mouse Tagged ORF Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	Tox2 (NM_001098799) Mouse Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Tox2
Synonyms:	AI851523; AV026525; BI987407; Gcx1; RxHMG1
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



[View online »](#)

**ORF Nucleotide Sequence:**

>MR212216 representing NM\_001098799  
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
 GCC**GCGATCGCC**

ATGCAGCAGCATCTCACAGAGGCTGTCGAGGCGCGTTCTCTCGTGCCTGGGCTCCGTGGAATGAGGC  
 TCAGGCTCCTCACGAGACTGGTGCATTGCAGGTGCGTCTCTGAGAAGTTGATGGTGACAGTGCCTA  
 CGTGGGGATGAGTGACGAAATCCAGAGCTCTGTCAACCAGCCAGACCTATAACAGCCAGGCGGAGAGT  
 AACGAAGACTATGAGATTCCTCTATAACGCTCCCAATCTCCCTGAGCCATCCCTCTGCACCTGGGGG  
 ATCACGAAGCCGGCTACCACTCGCTGTGTACGGCCTTGCGCCAACGGTCTGCTCCCTGCTACTCGTA  
 CCAAGCAATGGATCTCCCTGCCATCATGGTGTCCAACATGCTGGCCAGGACGGCCATCTGCTGTACGGC  
 CAGCTGCCACGATCCAGGAAATGGTCCACTCGGAGGTGGCGGCATATGACTCAGGCCGGCCAGGGCCCC  
 TGCTGGGCGCCCGGCGATGCTGGCCAGCCACATGAGTGCCCTCAGCCAGTCTCAGCTCATCTCCAGAT  
 GGGTATCCGGAGTGGCATTGCTCAGGGTCCCCATCACCTCCAGGGAGCAAGTCAGCGACCCCTCTCCA  
 TCCAGTCCACACAGGAGGAGGAATCAGATGCCATTTCAAGATCTCGGGAGAGAAGAGACCCCTCAGTGG  
 ACCCAGGCAAAAAGGCCAAGAATCCAAAGAAGAAGAAGAAGGACCCCAATGAGCCACAGAAGCCAGT  
 GTCGGCTACGCTCTCTTCTTACAGAGACTCAGGCTGCCATCAAGGGGAGAGATCCCAAGTCCACCTTT  
 GGAGATGTGTCCAAAATAGTGGCGTCCATGTGGGACAGCTGGGAGAAGAGCAGAAACAGGCGTATAAGA  
 GGAAGACTGAAGTGCCTAAGAAGGAGTACCTGAAAGCCTTGGCGGCTACAGAGCTAGCCTCGTGTCCAA  
 GAGCCCCCGGACCAAGGTGAGGCCAAGAACACTCAGGCAAAACCACAGCCAAAATGCTTCCACCCAAG  
 CAGCCCATGTACCCATGCCCGGCTGGCTTCTTCTGACGCCCTCCGACCTGCAGGCCCTCCGAGTGG  
 GAGCCTCTCCCGCCAGCCTTGCAGGACGCTGGGCTCCAAGGCCCTGCTGCCGGGCTCAGCACATCGCC  
 GCCACCCTCCTTCCCTCTCAGCCCTCACTGCACCAGCAGCTGCCACTGCCCCCCACGCGCAGGGC  
 ACTCTCTCAGCCCGCTCTCAGCATGTCCCCAGCCCGCAGCCTCCTGTCTGCTGCCTCCATGGCAC  
 TCCAGGTGCAGCTGGCGATGAGCCCTCACCTCCAGGGCCACAGGACTTCCACACATCTCTGATTTCTC  
 CAGTGGCTCTGGCTCCCGCTCACCTGGCCATCCAACCTTCCAGCAGCGGAGACTGGGATGGGAGTTAC  
 CCCAGTGGGGAGCGTGGCTCGGCACCTGCAGACTCTGCAGAGGCAGCCACCGCCACCACAGCCCAA  
 AGAACCTGCAGGAACCTTCTGCCCGC

**ACGCGT**ACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCTGGATT  
 ACAAGGATGACGACGATAAGGTTTAA

**Protein Sequence:**

>MR212216 representing NM\_001098799  
 Red=Cloning site Green=Tags(s)

MQQHLTEAVAGAFSRCLGFRGMRLRLTRHWCIAGASLQKFDGDSAYVGMSDGNPELLSTSQTYNISQGES  
 NEDYEIIPPITPPNLPEPSLLHLGDHEAGYHSLCHGLAPNGLLPAYSQAMDLPALMVSNMLAQDGHLLSG  
 QLPTIQEMVHSEVAAYDSRPGPLLGRPAMLASHMSALSQSQLISQMGIRSGIAHGSPSPGSKSATPSP  
 SSSTQEEESDAHFKISGEKRPSVDPGKKAKNPKKKKKDPNEPQKPVSAALFFRDTQAAIKGNPSATF  
 GDVSKIVASMWDSLGEQKQAYKRKTEAAKEYLKALAAAYRASLVSKSPDQGEAKNTQANPPAKMLPPK  
 QPMYAMPGLASFLTPSDLQAFRSGASPLARTLGSKALLPGLSTSPPPPSFPLSPSLHQQLPLPPHAQG  
 TLLSPPLSMSPAPQPPVLPASMLQVQLAMSPSPGPQDFPHISDFSSGSGSRSPGSPNPSSSGDWGDSY  
 PSGERGLGTCRLCRGSPPTTSPKNLQEPSAR

**TRTRPLEQKLI**SEEDLAANDILDYKDDDDKV

**Chromatograms:**

[https://cdn.origene.com/chromatograms/ja2363\\_a06.zip](https://cdn.origene.com/chromatograms/ja2363_a06.zip)

**Restriction Sites:**

SgfI-MluI

**Cloning Scheme:**

**ACCN:** NM\_001098799

**ORF Size:** 1566 bp

**OTI Disclaimer:** Due to the inherent nature of this plasmid, standard methods to replicate additional amounts of DNA in *E. coli* are highly likely to result in mutations and/or rearrangements. Therefore, OriGene does not guarantee the capability to replicate this plasmid DNA. Additional amounts of DNA can be purchased from OriGene with batch-specific, full-sequence verification at a reduced cost. Please contact our customer care team at [custsupport@origene.com](mailto:custsupport@origene.com) or by calling 301.340.3188 option 3 for pricing and delivery.

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.

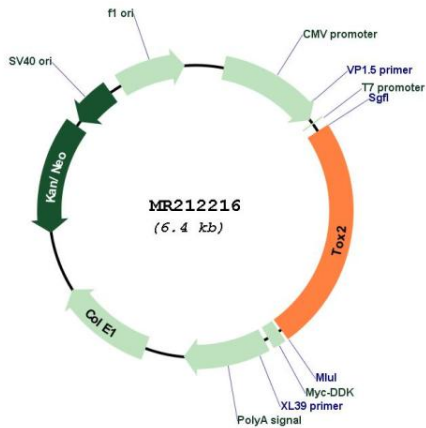
**Components:** The ORF clone is ion-exchange column purified and shipped in a 2D barcoded Matrix tube containing 10ug of transfection-ready, dried plasmid DNA (reconstitute with 100 ul of water).

- 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\\_001098799.2](#)

RefSeq Size: 1675 bp  
 RefSeq ORF: 1569 bp  
 Locus ID: 269389  
 Cytogenetics: 2  
 MW: 55.7 kDa

**Product images:**



Circular map for MR212216