

Product datasheet for **MG212216**

Tox2 (NM_001098799) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Tox2 (NM_001098799) Mouse Tagged ORF Clone
Tag:	TurboGFP
Symbol:	Tox2
Synonyms:	AI851523; AV026525; BI987407; Gcx1; RxHMG1
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)



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ORF Nucleotide Sequence:

>MG212216 representing NM_001098799
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGGATCGCC**

ATGCAGCAGCATCTCACAGAGGCTGTCGAGGCGCGTTCTCTCGTCGCTGGGCTCCGTGGAATGAGGC
 TCAGGCTCCTCACGAGACTGGTGCATTGCAGGTGCGTCTCTGCAGAAGTTGATGGTGACAGTGCCTA
 CGTGGGATGAGTGACGAAATCCAGAGCTCTGTCAACCAGCCAGACCTATAACAGCCAGGCGCAGAGT
 AACGAAGACTATGAGATTCCTCTATAACGCCTCCCAATCTCCCTGAGCCATCCCTCTGCACCTGGGG
 ATCACGAAGCCGGCTACCACTCGCTGTGTACGGCCTTGCGCCAACGGTCTGCTCCCTGCTACTCGTA
 CCAAGCAATGGATCTCCCTGCCATCATGGTGTCCAACATGCTGGCCAGGACGGCCATCTGCTGTACGGC
 CAGCTGCCACGATCCAGGAAATGGTCCACTCGGAGGTGGCGGCATATGACTCAGGCCGGCCAGGGCCCC
 TGCTGGGCGCCCGGCGATGCTGGCCAGCCACATGAGTGCCCTCAGCCAGTCTCAGCTCATCTCCAGAT
 GGGTATCCGGAGTGGCATTGCTCAGGGTCCCCATCACCTCCAGGGAGCAAGTCAGCGACCCCTCTCCA
 TCCAGTCCACACAGGAGGAGGAATCAGATGCCCATTTCAAGATCTCGGGAGAGAAGAGACCCCTCAGTGG
 ACCCAGGCAAAAAGGCCAAGAATCCAAAGAAGAAGAAGAAGGACCCCAATGAGCCACAGAAGCCAGT
 GTCGGCTACGCTCTTCTTTCAGAGACTCAGGCTGCCATCAAGGGGAGCAATCCCAAGTCCACCTTT
 GGAGATGTGTCCAAAATAGTGGCGTCCATGTGGGACAGCTGGGAGAAGAGCAGAAACAGGCGTATAAGA
 GGAAGACTGAAGTGCCTAAGAAGGAGTACCTGAAAGCCTTGGCGGCTACAGAGCTAGCCTCGTGTCCAA
 GAGCCCCCGGACCAAGGTGAGGCCAAGAACACTCAGGCAAAACCACAGCCAAAATGCTTCCACCCAAG
 CAGCCCATGTACCCATGCCCGGCTGGTTCCTTCTGACGCCCTCCGACCTGCAGGCCCTCCGAGTGG
 GAGCCTCTCCCGCCAGCCTTGCAGGACGCTGGGCTCCAAGGCCCTGCTGCCGGGCTCAGCACATCGCC
 GCCACCCTCCTTCCCTCTCAGCCCTCACTGCACCAGCAGCTGCCACTGCCCCCCACGCGCAGGGC
 ACTCTCTCAGCCCGCTCTCAGCATGTCCCAGCCCGCAGCCCTCTGTCTGCCTGCCTCCATGGCAC
 TCCAGGTGCAGCTGGCGATGAGCCCTCACCTCCAGGGCCACAGGACTTCCCACACATCTCTGATTTCTC
 CAGTGGCTCTGGCTCCCGCTCACCTGGCCATCCAACCTTCCAGCAGCGGAGACTGGGATGGGAGTTAC
 CCCAGTGGGAGCGTGGCTCGGCACCTGCAGACTCTGCAGAGGCAGCCACCGCCACCACAGCCCAA
 AGAACCTGCAGGAACCTTCTGCCCGC

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA

Protein Sequence:

>MG212216 representing NM_001098799
 Red=Cloning site Green=Tags(s)

MQQHLTEAVAGAFSRCLGFRGMRLRLTRHWCIAGASLQKFDGDSAYVGMSDGNPELLSTSQTYSQGES
 NEDYEIPPITPPNLPEPSLLHLGDHEAGYHSLCHGLAPNGLLPAYSQAMDLPAIMVSNMLAQDGHLLSG
 QLPTIQEMVHSEVAAYDSGRPGPLLGRPAMLASHMSALSQSLISQMGIRSGIAHGSPSPGSKSATPSP
 SSSTQEEESDAHFKISGEKRPSVDPGKKAKNPKKKKKDPNEPQKPVSAAYALFFRDTQAAIKGNPSATF
 GDVSKIIVASMWDSLGEQKQAYKRKTEAAKKEYLKALAAAYRASLVSKSPPDQGEAKNTQANPPAKMLPPK
 QPMYAMPGLASFLLTPSDLQAFRSGASPLARTLGSKALLPGLSTSPPPPSFPLSPSLHQQLPLPPHAQG
 TLLSPPLSMSPAPQPPVLPASMALQVQLAMSPSPPGPQDFPHISDFSSGSGSRSPGSPNPSSSGDWDGSY
 PSGERGLGTCRLCRGSPPTTSPKNLQEPSAR

TRTRPLE - GFP Tag - V

Restriction Sites:

Sgfl-MluI

ACCN:	NM_001098799
ORF Size:	1566 bp
OTI Disclaimer:	<p>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 or by calling 301.340.3188 option 3 for pricing and delivery.</p> <p>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</p>
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:	<ol style="list-style-type: none"> 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