

Product datasheet for **MR208435**

Tox (NM_145711) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Tox (NM_145711) Mouse Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Tox
Synonyms:	1700007F02Rik
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



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ORF Nucleotide Sequence:

>MR208435 ORF sequence
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**GCGATCGCC**

ATGGACGTAAGATTTTATCCTCCTCCAGCCAGCCCGCTGCTGCGCCCGCCGCTCCTTGTCTGGACCTT
 CTCCTGCCTGGACCCCTACTATTGCAACAAGTTTGACGGGAGAACATGTATATGAGCATGACAGAGCC
 GAGCCAGGACTATGTGCCAGCCAGCCAGTCTACCCTGGACCAAGCTGGAAGTGAAGATTTTAAACATC
 CCACCCATCACGCCTCCCTCCCTCCCTGACCACTCTCTGGTGCACCTGAATGAGGTAGAATCCGGTTACC
 ACTCTCTGTGTACCCCATGAATCACAATGGCCTGCTCCCGTTCCATCCACAAACCATGGACCTGCCAGA
 GATCACGGTGTCCAACATGCTGGGCAAGATGGCGCACTGCTCTCAATTCATCTCTGTGATGCAAGAT
 ATTGGGAATGCAGAAGGAGCTCAGTACAGCTCCCATCCTCAGATGGCAGCCATGAGGCCGAGAGGCCAGC
 CTACAGACATCAGACAGCAGGCAAGCATGATGCAGCCCGCCAGCTGACCACCATCAACCACTCGCAGCT
 GAGCGCACAGTTGGCTTGAACATGGGAGGAACCAATGTGGCCACAACCTCCCTTCTCCACCCGGAAGC
 AAGTCTGCAACCCCTTCCCATCCAGCTCAGTGCATGAGGATGAGTGTGAGGATGCCTCCAAGATCAATG
 GAGGAGAGAAGCGGCCTGCCTCTGATATGGGAAAAAACCACCAAACTCCCAAGAAGAAGAAGAAGAGGA
 TCCATATGAGCCCAAGAAGCCTGTGTCTGCCTATGCTTTGTTCTTTCTGTGATACCCAGGCTGCCATTAAG
 GGCCAGAATCAAATGCTACTTTTGGTGAAGTATCGAAGATTGTGGCATCAATGTGGGATGGCCTAGGAG
 AAGAACAGAAACAGGTCTATAAGAAGAAAACCGAGGCTGCAAAGAAGGAATACCTGAAGCAGCTAGCAGC
 ATACAGAGCCAGCCTTGTATCCAAGAGCTACACTGATCCTGTTGATGTTAAGACATCTCAGCCACCCAG
 CTGGTCAACTCAAAGCCGTCAGTATTCCATGGGCCAGCCAGGCCACTCAGCTCTGTACCTAAGTTCTC
 ACTATCACCACAACCAAGGAATGACTCCTCAGCTCACCGCCATGCATCCGAGCCTCCCAAGAAACATGC
 ACCTAAGCCCAATAACCAAAATGCCAGTGACTGTCTCCATAGCCAACATGGCTGTGTCCCAACCCAGCC
 CTTCAGATCAGCCACCTCTTCATCAGCATCTCAGCATGCAGCAGCATCAGTCGTTGCCATGCAGCAGC
 CCCTTGGGAGTCACTCCCATGCAGGTCCAGACTGCCTTACACTCGCCACCATGCAGCAAGGATTTAC
 TCTTCAACCCGACTATCAGACTATTATCAACCCTACATCTACAGCTGCACAAGTTGTACCCCAAGCGATG
 GAGTACGTGCGTTCTGGGTGCAGAAATCCGCCCCACAGCCCGTGGACTGGAGTACCGACTACTGCAGTA
 GTGGGGCATGCAGAGGGACAAAGCGCTGTATCTACC

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence:

>MR208435 protein sequence
 Red=Cloning site Green=Tags(s)

MDVRFYPPPAQPAAPAAAPCLGPSCLDPYYCNKFDGENMYMSMTEPSQDYVPASQSYPGPSLESEDFNI
 PPIITPPSLPDHSLVHLNEVESGYHSLCHPMNHNGLLPFHPQTMDLPEITVSNMLGQDGALLSNSISVMQD
 IGNAEGAQYSSHPQMAAMRPRGQPTDIRQQASMMQPGQLTTINQSQLSAQLGLNMGGTNVAHNSPSPPGS
 KSATPSPSSSVHEDECEDASKINGGEKRPASDMGKPKTPKPKKPKKDPNEPQKPVSAAYLFFRDTQAAIK
 GQNPNAFGEVSKIVASMWDLGEEQKQVYKKTEAAKKEYLKQLAAYRASLVSKSYTDPVDVKTSQPPQ
 LVNSKPSVFHGSPQAHSALYLSHYHQQPGMTPQLTAMHPSLPRNIAPKPNQMPVTVSIANMAVSPPPP
 LQISPPLHQHLSMQQHQLAMQQPLGSQPLMQVQTALHSPTMQGFTLQPDYQTIINPTSTAAQVVTQAM
 EYVRSGRNPPQPVDWSTDYCSSGGMQRDKALYLT

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites:

Sgfl-Mlul

Cloning Scheme:


ACCN: NM_145711

ORF Size: 1581 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_145711.1](#), [NM_145711.2](#), [NM_145711.3](#), [NM_145711.4](#), [NP_663757.3](#)

RefSeq Size: 2852 bp

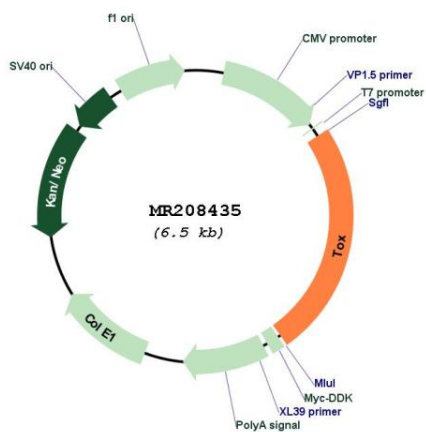
RefSeq ORF: 1581 bp

Locus ID: 252838

UniProt ID: [Q66JW3](#)

Cytogenetics: 4 A1
 MW: 57.2 kDa
 Gene Summary: May play a role in regulating T-cell development.[UniProtKB/Swiss-Prot Function]

Product images:



Circular map for MR208435