

Product datasheet for **MR209033**

Tox3 (NM_172913) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Tox3 (NM_172913) Mouse Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Tox3
Synonyms:	500-9; BC052044; C230068E13; CAGF9; Tnrc9
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



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ORF Nucleotide Sequence:

>MR209033 representing NM_172913
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGGATCGCC**

ATGGATGTGAGGTTCTACCCCGCGCGCCGGGACCCAGCCGGCCTGGACTTCGCGCAGTGCCTGGGGT
 ACTACGGCTACAGCAAGTTGGGAAATAAATACTACATGAACATGGCCGAGGCAAACAACGCCTTCTTTGC
 TGCCAGTGAGCAGACATTCCACACGCAAGCCTTGGGGACGAAGAGTTTAAAATTCCACCGATCAGCGCT
 CCTCCAGAGTCAGACCCACCCTGGGTATGCCTGATGCACTGCTACCCCTTCAGACTCTCAGCGATCCGT
 TGCCTTCCAGGGAAGTGAAGTTCACACCCAGTTTCCCTCAAAGCCTGGATCTCCCTTCCATCACAAT
 CTCAAGGAATCTGGTGGAGCAAGATGGCGTGCTCATAGCAATGGGCTGCACATGGATCAGAGCCACACA
 CAAGTGTACAGTACCGCCAGGATCCCTCTTGGTCATGAGGTCAATTGCCATATGACGGATGGTGCTC
 GATCTGGGATCATGCCTCTGCCAGCTGACCACCATCAACCAGTCTCAGCTCAGCGCACAGCTGGGCTT
 GAATTTGGGAGGACCAATGTGTCCACACATCTCCTTCACTCCAGCAAGCAAATCAGCCACTCCCTCT
 CCTTCCAGCTCTATCAACGAAGAGGATGCTGATGATGCAAACAGAGCCATTGGAGAGAAAAGAAGAGCC
 CAGATTCTGGCAAGAAGCCAAAGACTCCAAAGAAAAGAAAAGAAAGATCCCAACGAGCCTCAGAAGCC
 AGTGTCAGCATATGCCCTGTTTTTCAGAGATACACAGGCTGCAATTAAGGGTCAAAACCCCAACGCAACC
 TTCGGAGAAGTCTCGAAAATCGTAGCATCTATGTGGGACAGCCTTGGGGAGGAGCAAAGCAGGTATATA
 AAAGGAAAACAGAAGTGCCTAAGAAAGAAATACTTGAAGGCCCTGGCTGCCTACCGGGTACGCTCGTTTC
 CAAGGCTGCTGCTGAATCTGCAGAAGCCAGACCATCCGTTCTGTCCAGCAGACTCTGGCATCAACCAAC
 CTGACATCCTCCCTCCTCTGAACACATCACTGTCTCAACATGGGACAGTCCCAGCCTCACCTCAGACTC
 TTCCACAGTCACTCCCTAGGTCAATTGCCCAAAACCTTAACCATGAGACTACCCATGAGCAGCATCGT
 CACATCAGTCACCATTGCAGCAACATGCCTCGAACATTGGGGCTCCACTGATAAGTTCCATGGGGACG
 ACCATGGTTGGTTCAGCAACCTCCACCCAGGTGAGCCCTTCGGTGCAAACCCAGCAGCATCAGATGCAGT
 TGCAGCAGCAACAGCAGCAGCAGCAGCAGATGCAGCAGATGCAGCAGCAGCAGTTACAGCAGCACCAAAT
 GCATCAGCAGATCCAGCAGCAGATGCAGCAGCAGCATTTCAGCATCACATGCAGCAGCAGCTGCAGCAG
 CAGCAACAGCAGCATCTCCAGCAGCAGCTCAGCCAACAGCAGCTGCAGCAGCAGTTGCAGCAGCATCTCC
 AGCTGCAGCAACTGCAGCACATGCAGCACCAGTCTCAGCCTTCTCCCGGCAGCACTCGCCCGTCACTC
 ACAGATCAGTCCCCATCCCCGCCATTGGCAGCCCCAGCCAGCCTCTCAGCAGCACCAGCCTCAAATC
 CAGTCGACAGACTCAGACTCAAGTGTACCGCAGGTCAGTATTTTC

ACGCGTACGCGGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence:

>MR209033 representing NM_172913
 Red=Cloning site Green=Tags(s)

MDVRFYPAAGDPAGLDFQCLGYGYGSKLGNNNYMMAEANNAFFAASEQTFHTPSLGDEEFEIPPITP
 PPESDPTLGMPDALLPFQTLSDPLPSQGFTEFPQFPQSLDLPSITISRNLVEQDGVLHNSGLHMDQSHT
 QVSQYRQDPSLVMSIVHMTDGARSGIMPPAQLTTINQSQLSAQLGLNLGGANVSHTSPSPASKSATPS
 PSSSINEEDADDANRAIGEKRTAPDSGKPKTPKPKKPKDPNEPQKPVSAAYLFFRDTQAAIKGQNPAT
 FGEVSKIVASMWDSL GEEQKQVYKRKTEAAKKEYLKALAAAYRASLVSKAAESAQAQIRSVQQT LASTN
 L TSSLLLNTSLSQHGTVPASPQTLPSLPRSIAPKPL TMRLPMSQIVTSVTIAANMPSNIGAPL ISSMGT
 TMVGSATSTQVSPSVQTQQHMQQLQQQQQQQQMQMQQQQLQQHMQHQIQQQMQQHFQHHMQHLQQ
 QQQQHLQQQLSQQLQQQLQQHLQLQLQHMQHQSQSPRQHSPTVTSQITSPIPATGSPQPASQQHQPQI
 QSQTQTQVLPQVSI

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Chromatograms:

https://cdn.origene.com/chromatograms/mm9037_g04.zip

Restriction Sites:

Sgfl-Mlul

Cloning Scheme:


ACCN: NM_172913

ORF Size: 1725 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_172913.3](#), [NP_766501.2](#)

RefSeq Size: 3212 bp

RefSeq ORF: 1728 bp

Locus ID: 244579

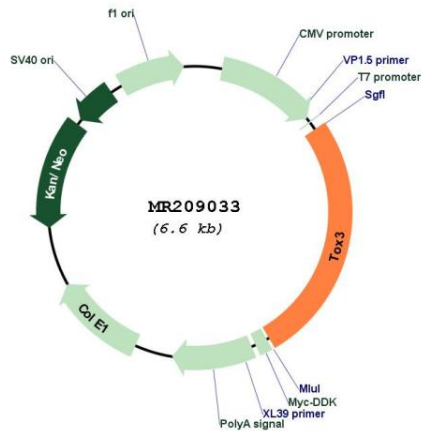
UniProt ID: [Q80W03](#)

Cytogenetics: 8 43.96 cM

MW: 63.6 kDa

Gene Summary: Transcriptional coactivator of the p300/CBP-mediated transcription complex. Activates transactivation through cAMP response element (CRE) sites. Protects against cell death by inducing antiapoptotic and repressing pro-apoptotic transcripts. Stimulates transcription from the estrogen-responsive or BCL-2 promoters. Required for depolarization-induced transcription activation of the C-FOS promoter in neurons. Associates with chromatin to the estrogen-responsive C3 promoter region (By similarity).[UniProtKB/Swiss-Prot Function]

Product images:



Circular map for MR209033