

Product datasheet for **RR203712**

Tox3 (NM_001106171) Rat Tagged ORF Clone

Product data:

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| Product Type: | Expression Plasmids |
| Product Name: | Tox3 (NM_001106171) Rat Tagged ORF Clone |
| Tag: | Myc-DDK |
| Symbol: | Tox3 |
| Synonyms: | Tnrc9 |
| Vector: | pCMV6-Entry (PS100001) |
| E. coli Selection: | Kanamycin (25 ug/mL) |
| Cell Selection: | Neomycin |



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ORF Nucleotide Sequence:

>RR203712 representing NM_001106171
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**GCGATCGCC**

ATGAACATGGCTGAGGCAAAACAACGCTTCTTTGCTGCCAGTGAGACATTCACACGCCAACGCTTGGGG
 ATGAAGAGTTTGAATTCGCGCATCACGCTCCTCCAGAGTCAGACCCACCCTGGGCATGCCGATGT
 ACTGCTACCCTTTCAGACACTCAGCGATCCGTTGCCTTCCAGGGAAATGAGTTCACACCCAGTTCC
 CCTCAGAGCCTGGATCTTCTTCCATCACAATCTCAAGGAATCTGGTGGAAACAAGATGGTGTCTCATA
 GCAACGGGCTGCATATGGATCAGAGCCACACACAAGTGTGCGAGTACCGCCAGGATCCTTCTTGGTGCAT
 GAGGTCAATTGTCCACATGACAGATGCTGCTCGCTCTGGGATCATGCCTCTGCCAACTGACCACCATC
 AACAGTCTCAGTCTCAGTGCACAGTTGGGCTTGAATCTGGGAGGAGCCAGTGTGCCCCACACGTCTCCTT
 CACCTCCAGCAAGCAAATCAGCCACTCCCTCCCCTTCCAGCTCTATCAACGAAGAGGATGCTGATGAAAC
 AAAAGAGCCGTTGGAGAGAAAAGAACAGCCCCAGATTCTGGCAAGAAGCCAAAGACTCCAAAGAAAAAG
 AAAAGAAAGATCCCAACGAGCCTCAGAAGCCAGTGTGAGCATACGCCCTGTTTTTCAGAGATACACAGG
 CTGCAATTAAGGTCAAAACCCCAATGCGACCTTTGGAGAAGTCTCAAAAATTGTAGCATCTATGTGGGA
 CAGCCTTGGAGAGGAGCAAAAGCAGGTATATAAAGGAAAACAGAAGCTGCCAAGAAAGAATATTTGAAG
 GCCCTGGCTGCCTACCGGCCAGCCTCGTTTCTAAGGCTGCTGCTGAGTCCGAGAAAGCCAGACTATCC
 GCTCTGTCCAGCAGACTCTGGCATCAACCAACCTGACATCCTCTCTCTTCTGAACACGTCACTGTCTCA
 ACATGGGACAGTCCCGGCTTACCTCAGACTCTCCCGAGTCACTCCCTAGGTCGATTGCCCCAAAACCC
 TTAACCATGAGACTACCCATGAGCCAGATTGTACATCAGTACCATTGCAGCCAACATGCCCTCGAACA
 TTGGGGCTCCACTTATCAGTCCATGGGAACGACCATGGTTGGCTCAGTATCCTCCAGCAGGTGAGCCC
 TTCGGTACAAACCCAGCAACATCAGTGCAGTGCAGCAGCAGCAACAACAGCAGCAGCAGCAGCAGCAG
 ATGAGCAGATGCAACAGCAGCAGCTGCAGCAGCAGCAGATGCATCAGCAGATTCAGCAGCAGATGCAGC
 AACAGCATTTCAGCACCACATGCAACAGCACCTGCAGCAGCAGCAACAGCAGCACCTCCAGCAGCAGAT
 CAGCCAACAGCAGCTGCAGCAGCAGCTGCAGCAGCATCTCCAGTGCAGCAGCAGCTGCAGCACATGCAG
 CACCAGTCTCAGCCTTCTCCCGGCGAGCTCGCCCGTCACTCACAGATCACGTCCCCATCCCGGCCA
 TTGGCAGCCCCAGCCAGCCTCTCAGCAGCAGCAGCCTCAATCCAGTGCAGACACAGACTCAAGTGT
 ACCGCAGGTCAGTATTTTT

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence:

>RR203712 representing NM_001106171
 Red=Cloning site Green=Tags(s)

MNMAEANNAFFAASETFFHTPSLGDEEFEIPPIPPPESDPTLGMPDVLLPFQTLSDPLPSQNEFTPQFP
 PQSLDLPSITISRNLVEQDGLHSNGLHMDQSHTQVSQYRQDPSLVMRSIVHMTDAARSGIMPQAQLTTI
 NQSQLSAQLGLNLGGASVPHTSPSPASKSATPSPSSSINEEADETNRAVGEKRTAPDSGKKPKTPKKK
 KKKDPNEPQKPVSAAYALFFRDTQAAIKGQNPATFGEVSKIVASMWDSLGEQKQYKRTAAKKEYLK
 ALAAYRASLVSKAAAESAEQTIKRSVQQLASTNLTSSLLNTLSLQHGTVPASQTLPQSLPRSIAPKP
 LTMRLPMSQIVTSVTIAANMPSNIGAPLISSMGTMTMVGVSSTQVSPSVQTQQHQLQLQQQQQQQQQQ
 MQQMQQQLQQHQMHHQIQQMQQQHFQHHMQHLLQQQQQHLQQQISQQQLQQQLQQHLLQQQLQHM
 HQSQSPRQHSPTVTSQITSPIAIGSPQASQQHQPQIQSQTQTQVLPQVSI

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites:

Sgfl-MluI

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|-------------------------------|---|
| ACCN: | NM_001106171 |
| ORF Size: | 1629 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: | <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_001106171.1 , NP_001099641.1 |
| RefSeq Size: | 2901 bp |
| RefSeq ORF: | 1632 bp |
| Locus ID: | 291908 |
| Cytogenetics: | 19p11 |
| MW: | 59.8 kDa |