

Product datasheet for **RC228464**

TOX3 (NM_001146188) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	TOX3 (NM_001146188) Human Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	TOX3
Synonyms:	CAGF9; TNRC9
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



[View online »](#)

ORF Nucleotide Sequence:

>RC228464 representing NM_001146188
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGGATCGCC**

ATGAAGTGCCAACCTCGCTCGGGAGCCAGGCGCATTGAGGAGAGACTTCATTACCTGATAACTACCTATC
 TGAATTTGGAAAATAATAAATACTATATGAATATGGCTGAGGCGAACAATGCGTTCTTCGCTGCCAGTGA
 GACATTCACACACCAAGCCTTGGGAGCAGGAATTCGAAATTCACCAATCACGCTCCTCCAGAGTCA
 GACCTGCCCTAGGCATGCCGGATGACTGCTACCCTTCAAGCCCTCAGCGATCCATTGCCTTCCAGG
 GAAGTGAATTCACACCCAGTTTCCCCCTCAAAGCCTGGACCTCCCTTCCATTACAATCTCAAGAAATCT
 CGTGGAACAAGATGGCGTGCTTCATAGCAGTGGTTCATATGGATCAGAGCCACACACAAGTGTCCAG
 TACCGGCAGGATCCCTCCCTGATCATGCGGTCCATCGTCCACATGACCGATGCTGCGCGTCTGGGGTCA
 TGCCCTCTGCCAGCTCACCACCATCAACCAGTCTCAGCTCAGCGCCAGTTGGGGTTGAATTTGGGAGG
 TGCCAGTATGCCTCACACATCTCCTTCACTCCAGCAAGCAAATCAGCCACTCCCTCCCCTTCCAGCTCC
 ATCAATGAAGAGGATGCTGATGAAGCCAACAGAGCCATTGGAGAGAAAAGAGCTGCTCCAGACTCTGGCA
 AGAAGCCCAAGACTCAAAGAAAAAGAAAAGAAAGATCCAATGAGCCACAGAAGCCAGTGTCCAGCATA
 TGCCCTGTTTTTCAGAGACACACAGGCTGCAATTAAGGTCAAACCCCAATGCAACCTTTGGAGAGGTC
 TCAAAAATGTAGCATCTATGTGGGACAGCCTTGGAGAAGAACAAGAGCAGGTATATAAAGGAAAAACAG
 AAGCTGCCAAAAAAGAATACCTGAAGGCCCTGGCGGCATACAGGGCCAGCCTCGTTTCTAAGGCTGCTGC
 TGAGTCAGCAGAAGCCAGACCATCCGTCTGTTGAGCAGACCTGGCGTCCGACCAATCTAACATCCTCT
 CTCCTTCAACACTCCACTGTCTCAACATGGAACAGTGTGAGTCACTCCATGAACCAGATTGTCCAGTCA
 TCCCTAGGTCAATCGCTCCCAACCCCTTAACCATGAGACTCCCATGAACCAGATTGTCCAGTCACTCAC
 CATTGCAGCCAACATGCCCTCGAACATTGGGGCTCCACTGATAAGCTCCATGGGAACGACCATGGTTGGC
 TCAGCACCTCCACCAAGTGAATCCTCGGTGCAAACCCAGCAGCATCAGATGCAATTGAGCAGCAGC
 AGCAGCAGCAACAACAACAGATGCAACAGATGAGCAGCAGCAACTCCAGCAGCACCAAATGCATCAGCA
 AATCCAGCAGCAGATGAGCAGCAGCATTTCCAGCACCACATGAGCAGCAGCAGCAGCAGCAGCAGCAG
 CATCTCCAGCAGCAAATTAATCAACAGCAGCTGAGCAGCAGCAGCAGCAGCAGCAGCAGCAGCAGCAG
 TGCAACACATGAGCAGCAGCAGTCTCAGCCTTCTCCTCGGCAGCACTCCCTGTGCGCTCTCAGATAACATC
 CCCCATCCCTGCCATCGGGAGCCCCAGCCAGCCTCTCAGCAGCACCAGTCGAAATACAGTCTCAGACA
 CAGACTCAAGTATTATCGCAGGTCAGTATTTTC

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence:

>RC228464 representing NM_001146188
 Red=Cloning site Green=Tags(s)

MKCQPRSGARRIEERLHYLITTYLKFNNNNYMNMAEANNAFFAASETFFHTPSLGDEEFEIPPITPPES
 DPALGMPDVLLPFQALSDPLPSQSEFTPQFPPQSLDLPISITISRNLEVDGVLHSSGLHMDQSHTQVSQ
 YRQDPSLIMRSIVHMTDAARSGVMPPAQLTTINQSQLSAQLGLNLGGASMPHTSPSPASKSATSPSSS
 INEEDAANRAIGEKRAAPDSGKPKPKPKPKPKPKPKPKPKPKPNPQKPVSAAYLFFRDTQAAIKGNPNATFGEV
 SKIVASMWDSLGEEQQVYKRKTEAAKKEYLKAALAYRASLVSKAAAESAEQTIKRSVQQLASTNLTS
 LLLNTPLSQHGTVSASPQTLQQLPRSIAPKPLTMRLPMNQIVTSVTIAANMPSNIGAPLISSMGTTMVG
 SAPSTQVSPSVQTQQHQMLQQQQQQQQMQMQQQQLQQHQMHQIQQQMQQHFQHHMQHLQQQQ
 HLQQQINQQQLQQQLQQRLQLQLQHMHQSQSPSPRQHSPPVASQITSPIAIGSPQASQHQSQISQST
 QTQVLSQVSIF

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites:

Sgfl-MluI

Cloning Scheme:


ACCN: NM_001146188

ORF Size: 1713 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_001146188.2](#)

RefSeq ORF: 1716 bp

Locus ID: 27324

UniProt ID: [O15405](#)

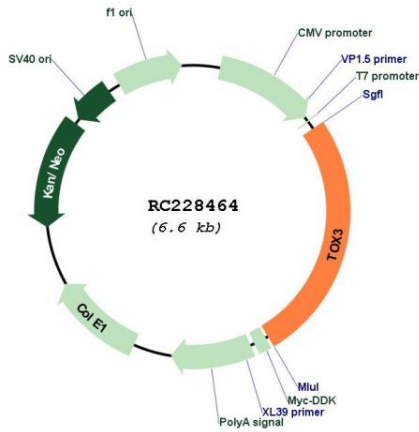
Cytogenetics: 16q12.1

MW: 62.9 kDa

Gene Summary:

The protein encoded by this gene contains an HMG-box, indicating that it may be involved in bending and unwinding of DNA and alteration of chromatin structure. The C-terminus of the encoded protein is glutamine-rich due to CAG repeats in the coding sequence. A minor allele of this gene has been implicated in an elevated risk of breast cancer. Two transcript variants encoding different isoforms have been found for this gene.[provided by RefSeq, Apr 2009]

Product images:



Circular map for RC228464