

Product datasheet for **SC114879**

TOX1 (TOX) (NM_014729) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	TOX1 (TOX) (NM_014729) Human Untagged Clone
Tag:	Tag Free
Symbol:	TOX1
Synonyms:	TOX1
Mammalian Cell Selection:	None
Vector:	<u>pCMV6-XL5</u>
E. coli Selection:	Ampicillin (100 ug/mL)



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Fully Sequenced ORF:

>OriGene sequence for NM_014729 edited
 GCGGCTTGGGGGAGAGTTGAGCGCTTTTCCCCCTTTTTTTTTTTTTTCTCTTCTT
 CTTAAACAACCAACAACCGATGTGAGGGAAGGAAGGTGTTTCTTTACTCCTGAGCCCA
 GACACCTCACTCTGTTCCGTCTAAGCTTGTGTTGCTGAACACTTTTTTTAAAAAAGGAA
 AAAGAAAAGGAGTTGCTTGATGTGAGAGTGAATGGACGTAAGATTTTATCCACCTCCAG
 CCCAGCCCAGCTGCGCCGACGCTCCCTGTCTGGGACCTTCTCCCTGCCTGGACCCT
 ACTATTGCAACAAGTTTGACGGTGAGAACATGTATATGAGCATGACAGAGCCGAGCCAGG
 ACTATGTGCCAGCCAGCCAGTCCCTACCCTGGTCCAAGCCTGAAAAGTGAAGACTTCAACA
 TTCCACCAATTACTCCTCCTTCCCTCCCAGACCACTCGCTGGTGACCTGAATGAAGTTG
 AGTCTGGTTACCATTCTGTGTACCCCATGAACCATAATGGCCTGCTACCATTTCATC
 CACAAAACATGGACCTCCCTGAAATCACAGTCTCCAATATGCTGGGCCAGGATGGAACAC
 TGCTTTCTAATTCATTCTGTGATGCCAGATATACGAAACCCAGAAGGAACTCAGTACA
 GTTCCCATCCTCAGATGGCAGCCATGAGACCAAGGGGCCAGCCTGCAGACATCAGGCAGC
 AGCCAGGAATGATGCCACATGGCCAGCTGACTACCATTAACCAGTACAGCTAAGTGCTC
 AACTTGGTTTGAATATGGGAGGAAGCAATGTTCCCACTCACCATCTCCACCTGGAA
 GCAAGTCTGCAACTCCTTACCATCCAGTTCAGTGCATGAAGATGAAGGCGATGATACCT
 CTAAGATCAATGGTGGAGAGAAGCGCCTGCCTCTGATATGGGGAAAAACAAAAACTC
 CAAAAAGAAGAAGAAGAAGGATCCCAATGAGCCCCAGAAGCCTGTGTCTGCCTATGCGT
 TATTCTTCGTGATACTCAGGCCGCAATCAAGGGCCAAAAATCCAAACGCTACCTTTGGCG
 AAGTCTCTAAAATTGGGCTTCAATGTGGGACGGTTTAGGAGAAGAGCAAAAAACAGGTCT
 ATAAAAAGAAAACCGAGGCTGCGAAGAAGGAGTACCTGAAGCAACTCGCAGCATAACAGAG
 CCAGCCTTGATCCAAGAGCTACAGTGAACCTGTTGACGTGAAGACATCTCAACCTCCTC
 AGCTGATCAATTGCAAGCCGTGGTGTTCATGGGCCAGCCAGGCCACTCGGCCCTGT
 ACCTAAGTTCCCACTATACCAACAACCGGAATGAATCCTCACCTAACTGCCATGCATC
 CTAGTCTCCCCAGGAACATAGCCCCAAGCCGAATAACCAAAATGCCAGTACTGTCTCTA
 TAGCAAACATGGCTGTGTCCCCTCCTCCCCTCCAGATCAGCCCGCCTCTTACCAGC
 ATCTCAACATGCAGCAGCACCAGCCGCTCACCATGCAGCAGCCCTTGGGAACCAGCTCC
 CCATGCAGGTCCAGTCTGCCTTACACTCACCCACCATGCAGCAAGGATTTACTCTTCAAC
 CCGACTATCAGACTATTATCAATCCTACATCTACAGCTGCACAAGTTGTCACCCAGGCAA
 TGGAGTATGTGCGTTCGGGGTGCAGAAATCCTCCCCACAACCGTGGACTGGAATAACG
 ACTACTGCAGTAGTGGGGCATGCAGAGGACAAAGCACTGTACCTTACTTGAGAATCTG
 AACACCTTTCTTCCACTGAGGAATTCAGGGAAGTGTTCACCATGGATTGCTTTGTA
 CAGTCAAGGCAGTTCTCCATTTATTAGAAAATACAAGTTGCTAAGCACTTAGGACCATT
 TGAGCTTGTGGGTCAACCACTCTGGAAGAAATAGTCATGCTTCTTTATTATTTTTAAT
 CCTTTATGGACATTGTTTTTCTTCCCTGAAGGAAATTTGGACCATTGAGTTTTATG
 TTGGTTTTTGTGTGAAGTGTGCGCTCTAGTAACTGCCTTAGCAACTGTAGATGTCTC
 GGATAAAAGTCTGGATTTTCCATTGGTTTTTATAATGGGTGTTTATATGAAACTACTAA
 AGACTTTTTAAATGGCTTGATGTAGCAGTCATAGCAAGTTTGTAAATAGCATCTATGTTA
 CACTCCTTAGAGTATAAAATGTGAATGTTTTGTAGCTAAATTGTAATTGAAACTGGCT
 CATTCCAGTTTATTGATTTACAAATAGGGTTAAATTGGCAAAACATTCATATTTTACTT
 CATTTTTAAAAACAACCTGACTGATAGTTCTATTTTTCAAAATATTTGAAAATAAAAAAGTA
 TTCCCAAGTGATTTAATTTAAAAACAATTTGGCTTTGTCTCATTGATCAGACAAAAAGA
 AACTAGTATTAAGGGAAGCACAAACACATTTATTTTGTACTGCAGAAAAATTTGCTTTTTT
 GTATCACTTTTTGTGAATGGTTAGTAAATGTCATTTAAGTCCTTTTATGTATAAACTG
 CCAAAATGCTTACCTGGTATTTTATTAGATGCAGAAACAGATTGGAACAGCTAAATTACA
 ACTTTTACATATGGCTCTGTCTTATTGTTTCTTACTGTGTCTGTATTTAATCTTTTT
 TTATGGAACCTGTTGCGCTATTTATGAAATAATAAATATAGGTGTTTGAAGTAAATTT
 GTTAGTATTTGAAAGAGGTTTCTTTGATGTTTTAACTTTTGTGCGCAAAAAAAATTCAC
 GC

5' Read Nucleotide Sequence:	<p>>OriGene 5' read for NM_014729 unedited GGTTCAAATTTGTATACGACTCACTATAGGCGGCCGGAATTCGCACGAGGGCGGCTTGG GGGAGAGTTGAGCGCTTTTCCCCCTCTTTTTTTTTTTTTTCTCTTCTTAAACAA ACCACAAACGGATGTGAGGGAAGGAAGTGTCTTTTACTCCTGAGCCCAGACACTCA CTCTGTTCCGTCTAAGCTTGTGCTGAACTTTTTTAAAAAGGAAAAAGAAAAG GAGTTGCTTGTGAGAGTGAATGGACGTAAGATTTATCCACCTCCAGCCCAGCCCC CCGCTGCGCCCGACGCTCCCTGTCTGGGACCTTCTCCCTGCCTGGACCCCTACTATTGCA ACAAGTTTGACGGTGAGAACATGTATATGAGCATGACAGAGCCGAGCCAGGACTATGTGC CAGCCAGCCAGTCTACCTGGTCCAAGCTGGAAGTGAAGACTTCAACATTCCACCAA TTACTCTCTTCCCTCCAGACCACTCGCTGGTGCACCTGAATGAAGTTGAGTCTGGTT ACCATTCTGTGTACCCCATGAACCATAATGGCCTGTACCATTTTCATCCACAAAAACA TGGACCTCCCTGAAATCACAGTCTCCAATATGCTGGGCCAGGATGGAACACTGCTTTCTA ATTCCATTTCTGTGATGCCAGATATACGAAACCCAGAAGGAACTCAGTACAGTCCCATC CTCAGATGGCAGCCATGAGACCAAGGGGCCAGCCTGCAGACATCAGGCAGCAGCCAGAAA TGATGCCACATGGCCAGCTGACTACCATTTACCAGTACAGCTAAGTGCTCAACTGGTT TGATATGGGGAGAAGCATGNTNCCACAACCTACCATCTCACTGGAAGCAGTCTGCACTC CTC</p>
3' Read Nucleotide Sequence:	<p>>OriGene 3' read for NM_014729 unedited AATGGAAGACAGGTTTGGGCTTTATTNCATGTTACTGGTAAAACTAAATAATAAGTAT TCACACCAAGCGTGAATTTTTTTTGGCAGCAAAAGTTAAACATCAAAGAAACCTTTT CAAATACTAACAAATTTACTTACAAACACCTATATTTATTATTCATAAATAGGCGCAAC AGGTTCCATTAATAAAGATTAATAACAGACACAGTATGAAGAAACAATAAGACAGAGCC ATATGTAAAAGTTGTAATTTAGCTGTTTCCAATCTGTTTCTGCATCTAATAAAATACCAG GTAAGCATTTGGCAGTTTATACATAAAAGGACTTAAATGACATTTACTAACCATTACAC AAAAAGTGATACAAAAAGCAATTTTTCTGCAGTACAAAATAAATGTGTTTGTGCTTCCC TTAATACTAGTTTCTTTTTGTCTGATCAATGAGACAAAGCCAATTTGTTTTAAATTA ATCACTTGGGAATACTTTTTATTTTCAAATATTTTGAATAATAGAACTATCAGTCAGTT GTTTTAAAAATGAAGTAAAAATGAATGTTTGCCAATTAACCCCTATTGTGAAATCAA TAACTGGAATGAGCCAGTTTCAATTACAATTTAGCTACAAAAACATTCACATTTTATAC TCTAGGAGAGTGTAAACATAGATGCTATTTACAAACTTGCTATGACTGCTACATCAAGCCA TTTAAAAAGTCTTTAGTAGTTTTCATATAAACACCCATTATGAAAACCAATGGAATCCCA GGACTTTTATCCGAGACATCTACAGTTGCTAAAGCAGTTACTAGAGCGCAGCACTTCACA GCAAAAAACCAACATAAATCTGAATGGTCCAAATTTTCTTCAGGGGAAGAAGAAAACAATG TCCTAAAGGATTAANAAAANTATAAGAAGCTGACTTTTNTTTCAGATGGGTGACCCACAG CTCAATGGGCCTAATGCTANCAACTTGGATTTCTATAAAAAGA</p>
Restriction Sites:	NotI-NotI
ACCN:	NM_014729
Insert Size:	2800 bp
OTI Disclaimer:	Our molecular clone sequence data has been matched to the reference identifier above as a point of reference. Note that the complete sequence of our molecular clones may differ from the sequence published for this corresponding reference, e.g., by representing an alternative RNA splicing form or single nucleotide polymorphism (SNP).
OTI Annotation:	This TrueClone is provided through our Custom Cloning Process that includes sub-cloning into OriGene's pCMV6 vector and full sequencing to provide a non-variant match to the expected reference without frameshifts, and is delivered as lyophilized plasmid DNA.

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:	<u>NM_014729.2, NP_055544.1</u>
RefSeq Size:	4131 bp
RefSeq ORF:	1581 bp
Locus ID:	9760
UniProt ID:	<u>O94900</u>
Cytogenetics:	8q12.1
Domains:	HMG
Protein Families:	Transcription Factors
Gene Summary:	The protein encoded by this gene contains a HMG box DNA binding domain. HMG boxes are found in many eukaryotic proteins involved in chromatin assembly, transcription and replication. This protein may function to regulate T-cell development.[provided by RefSeq, Apr 2009]