

Product datasheet for **SC114793**

TOX4 (NM_014828) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	TOX4 (NM_014828) Human Untagged Clone
Tag:	Tag Free
Symbol:	TOX4
Synonyms:	C14orf92; KIAA0737; LCP1; MIG7
Mammalian Cell Selection:	None
Vector:	<u>pCMV6-XL5</u>
E. coli Selection:	Ampicillin (100 ug/mL)



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Fully Sequenced ORF: >OriGene ORF within SC114793 sequence for NM_014828 edited (data generated by NextGen Sequencing)

```
ATGGAGTTTCCCGGAGGAAATGACAATTACCTGACGATCACAGGGCCTTCGCACCCCTTC
CTGTCAGGGGCCGAGACATTCCATACACCAAGCTTGGGTGATGAGGAATTTGAAATCCCA
CCTATCTCCTTGGATTCTGATCCCTCATTGGCTGTCTCAGATGTGGTTGGCCACTTTGAT
GACCTGGCAGACCCTTCTCTTACAGGATGGCAGTTTTTCAGCCAGTATGGGGTCCAG
ACATTGGACATGCCTGTGGGCATGACCCATGGCTTGATGGAGCAGGGCGGGGGCTCCTG
AGTGGGGGCTTGACCATGGACTTGGACCACTCTATAGGAACTCAGTATAGTGCCAACCCA
CCTGTTACAATTGATGTACCAATGACAGACATGACATCTGGCTTGATGGGCATAGCCAG
TTGACCACCATTGATCAGTCAGAACTGAGTTCACAGCTGGGTTTGAGCCTAGGGGGTGGC
ACCATCTGCCACCTGCCAGTCACCTGAAGATCGTCTTCAACCACCCCTTCACCTACT
AGTTCACCTCACGAGGATGGTGTGAGGATTTCCGGAGGCAACTCCCAGCCAGAAGACA
GTCGTGGTGAAGCAGGAAAAAGCAGAAGGCCCAAAGAAGAAAAAGAAAGATCCT
AATGAACCTCAGAAACCAGTTTCAGCATATGCTTTATTCTTTCGTGATACACAGGCTGCC
ATCAAGGGACAGAATCCTAATGCCACTTTTGGTGAGGTTTCAAAAATTGTGCCTCCATG
TGGGATAGTCTTGAGAGGAGCAAAAACAGGTATAAAGAGGAAAACAGGCTGCCAAG
AAAGAGTATCTGAAGGCACTGGCTGCTTACAAAGACAACCAGGAGTGTACAGGCCACTGTG
GAAACAGTGAATTGGATCCAGCACCACATCACAACTCCTTCTCCACCTCCTATGGCT
ACTGTTGACCCAGCATCTCCAGCACCAGCTTCAATAGAGCCCCCTGCCCTGTCCCATCC
ATTGTTGTTAACTCCACCTCTCATCTATGTGGCAAACCAGGCATCTTCTGGAGCTGGG
GGTCAGCCCAATACACCAAGTTGATTATTACCAAAACAAATGTTGCCCTTTCTATTACT
ATGTCTCAAGGAGGGATGGTACTGTTATCCAGCCACAGTGGTGACCTCCCGAGGGCTC
CAACTAGGCCAAACCAGTACAGTACTATCCAGCCAGTCAACAAGCCAGATTGTCAT
CGGTCAGTGTGAGGCAGCAGCAGCTGCTGCTGCTGCTGCTTCTATGCAACTGCCTCCA
CCCCGACTACAGCCCCCTCCATTACAACAGATGCCACAGCCCCCGACTCAGCAGCAAGTT
ACCATTCTGCAGCAGCCTCCTCCACTCCAGGCCATGCAACAGCCTCCACCTCAGAAAAGT
CGAATCAATTTACAGCAACAGCCTCCTCCTCTGCAGATCAAGAGTGTGCCTCTACCCACT
TTGAAAATGCAGACTACCTTAGTCCCACCAACTGTGAAAGTAGTCTGAGCGGCCTATG
AACAAACAGCCCTGAGGCCATACAGTGGAGGCACCTTCTCCTGAGACTATCTGTGAGATG
ATCACAGATGTAGTTCTGAGGTTGAGTCTCCTTCTCAGATGGATGTTGAATTGGTGAGT
GGGTCTCCTGTGGCACTCTACCCAGCCTCGATGTGTGAGGCTGGTTGTGAGAACCT
CCCATTGTGAGTAAGGACTGGGACAATGAATACTGCAGCAATGAGTGTGTGGTGAAGCAC
TGACGGGATGATTCTTGGCCTGGGTAGCCTCTAGAAATTCAAACACAGTGGTGTGTTGTG
AAATAG
```

Clone variation with respect to NM_014828.2
1041 t=>c;1194 g=>a

5' Read Nucleotide Sequence:

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>OriGene 5' read for NM_014828 unedited
GGCGAAATTTTGGTATACGAACTCCTATAGGGCGGCCCGGAATCGGCACGAGGTGAGGG
TCTGAGGCGGTGGGAGCGGTTGTGTGAAGATGGAGTTTCCCGCAGGAAATGACAATTAC
CTGACGATCACAGGGCCTTCGCACCCCTTCTGTGAGGGCCGAGACATTCCATACACCA
AGCTTGGGTGATGAGGAATTTGAAATCCCACCTATCTCCTTGGATTCTGATCCCTCATTG
GCTGTCTCAGATGTGGTTGGCCACTTTGATGACCTGGCAGACCCTTCTCTTACAGGAT
GGCAGTTTTTTCAGCCCAGTATGGGGTCCAGACATTGGACATGCCTGTGGGCATGACCCAT
GGCTTGATGGAGCAGGGCGGGGGCTCCTGAGTGGGGCTTGACCATGGACTTGGACCAC
TCTATAGGAACTCAGTATAGTGCCAACCCACCTGTTACAATTGATGTACCAATGACAGAC
ATGACATCTGGCTTGATGGGGCATAGCCAGTTGACCACCATTGATCAGTCAGAACTGAGT
TCCCAGCTGGGTTTGGCCTAGGGGGTGGCACCATCCTGCCACCTGCCAGTCACCTGAA
GATCGTCTTTCAACCACCCCTTACCTACTAGTTCACCTCACGAGGATGGTGNTGAGGAT
TTCCGGAGGCAACTCCCCAGCCAGAAGACAGTCGTGGTGAAGCAGGGAAAAAGCAGAAG
GCCCCANAGAAGAGAAAAAAGGCAGATCCTAATGAACCTCAGAAACCAGTTTCAGCATA
TGCTNTATTCCTTCGTGAAACCCAGGCTGCCATCAAGGGACAGAATCCTATGCCACTTTG
GGGAAGGTTCAACACATGGGGCTCCTGGGAAAAGCCTTGAGAGGACCCAAACCGTT
TTTAAGAGGAAAACCTGAAGGCGCCAGCAAGCATC
```

3' Read Nucleotide Sequence:

```
>OriGene 3' read for NM_014828 unedited
CGGCCGCAATCTAGNATCGAGTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTT
TTTTTTTTTTCGGGAGGACACCCCGGAATTTTAAAAATATTTTAGGGAAGGCCTATGAC
AATTATACCAACAAGTTTTTTTAAACCCACCACCACCCACCATTTTTATGCTTTGGTTG
GCCAAACTCCCTTACCCTTTCCTTTGGTATTACCGCTTATGGGTGAAAGGAAAAAGCAT
TTCCAAATTACAGCAAAATTCAGGGGGCCTGGTCCATAACCTGGCCTTTGGTGAAGGAAAA
AAAGGGGGGAAACATGAACAGCCCTCATGGGGTGGGAAGAGGGACTACCAAAAGCCACGC
TTGGGTTTAAAAAACAGGGTTTTGGACACTTTCCCAACAAAAAATCTTTACTGGGTTGG
AAAACAGGAAGGGCTATTTACAAAACACTGGGGTTGAATTTCTAAAGGGTACCCAGG
CCAAAAATACATCCCTGGAGGGGTTTACCACACACTCATTGGTGGAGTATTCATTGGCCC
AATCCTTACTCACAATGGGAGGGGTCTCACAACCAACCTCACACATTGAGGGTGGGGTG
AGAGTCCACAGGAGACCCACTACCAATTCAACATTCATCTGAGAAGGAGACTCAACCT
CAGGAACTACATCTGGGATCATCTCAAGATAGTCTCAAGAGAAAAGTGCCCACTGGATGG
GCCTTAGGGCTTGTGTTTATAGGCCGCTTAAGACTACTTTCAACAAGNTGTGGGACTAAAG
TATCTGCATTTTCAAGGGGTAGAGCACACTCTTGTGCTGAAAGAAGAGGCTGGTGTGT
AAATGATTCAACTTCTGAGGNGGAGCTGTGCATGCCCTGAGTGAAGGAGGCTCGACAGAG
GACTGCTGCGATCCGGGCTGGGCATTGTGAATGGAGGGCTGATCGGGGAGGCATGCTAA
AA
```

Restriction Sites:

NotI-NotI

ACCN:

NM_014828

Insert Size:

2520 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).

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_014828.1](#), [NP_055643.1](#)

RefSeq Size: 4174 bp

RefSeq ORF: 1866 bp

Locus ID: 9878

UniProt ID: [O94842](#)

Cytogenetics: 14q11.2

Domains: HMG

Protein Families: Transcription Factors

Gene Summary: Component of the PTW/PP1 phosphatase complex, which plays a role in the control of chromatin structure and cell cycle progression during the transition from mitosis into interphase.[UniProtKB/Swiss-Prot Function]
Transcript Variant: This variant (1) represents the longer transcript and encodes the longer isoform (1). Sequence Note: This RefSeq record was created from transcript and genomic sequence data to make the sequence consistent with the reference genome assembly. The genomic coordinates used for the transcript record were based on transcript alignments.