

Product datasheet for **SC102259**

ZNF10 (NM_015394) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	ZNF10 (NM_015394) Human Untagged Clone
Tag:	Tag Free
Symbol:	ZNF10
Synonyms:	KOX1
Mammalian Cell Selection:	None
Vector:	<u>pCMV6-XL5</u>
E. coli Selection:	Ampicillin (100 ug/mL)



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Fully Sequenced ORF: >NCBI ORF sequence for NM_015394, the custom clone sequence may differ by one or more nucleotides

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ATGGATGCTAAGTCACTAACTGCCTGGTCCCGGACACTGGTGACCTTCAAGGATGTATTTGTGGACTTCA
CCAGGGAGGAGTGAAGCTGCTGGACACTGCTCAGCAGATCGTGTACAGAAATGTGATGCTGGAGAATA
TAAGAACCTGGTTTCTTGGGTTATCAGCTTACTAAGCCAGATGTGATCCTCCGGTTGGAGAAGGGAGAA
GAGCCCTGGCTGGTGGAGAGAGAAATTCACCAAGAGACCCATCCTGATTCAGAGACTGCATTTGAAATCA
AATCATCAGTTTCCAGCAGGAGCATTTTTAAAGATAAGCAATCCTGTGACATTAATAAGGAAGTGGC
AAGGAATGATCTCTGGTATTTGTCATTAGAAGAAGTCTGGAAATGTAGAGACCAGTTAGACAAGTATCAG
GAAAACCCAGAGAGACATTTGAGGCAAGTGGCATTACCCAAAAGAAAGTACTTACTCAGGAGAGAGTCT
CTGAAAGTGGTAAATATGGGGGAAACTGTCTTCTTCTGCTCAGCTAGTACTGAGAGAGTATTTCCATAA
ACGTGACTCACATACTAAAAGTTTAAAACATGATTTAGTTCTTAATGGTCATCAGGACAGTTGTGCAAGT
AACAGTAATGAATGTGGTCAAACCTTCTGTCAAAACATTCACCTTATTCAGTTTGAAGAAGTACACAG
GTGATAAATCCTACAAATGCCCTGATAATGACAACTCTTACTCATGGTTCATCTCTTGGTATATCAA
GGGCATACATAGAGAGAAACCTATGAATGTAAGGAATGTGGAAAATTTTCAGCTGGCGCTCTAATCTT
ACTAGGCATCAGCTTATTCATACTGGAGAAAAACCTATGAGTGTAAAGAATGTGGAAAAGTCTTTCAGCC
GGAGTTCTCACCTCATTGGACATCAAAAAGACCCATACTGGTGAGGAACCCATGAATGTAAGAATGTGG
AAAATCCTTCAGCTGGTTCTCTCACCTTGTACTCATCAGAGAATCATAACAGGAGACAACTGTACACA
TGTAATCAGTGTGGGAAATCTTTTGGTTCATAGCTCTAGGCTTATTAGACACCAGAGGACACATACTGGAG
AGAAAACCTATGAATGCCTGAATGTGGGAAATCTTTCAGACAGAGCACACATCTCATTCTGCATCAGAG
AACCCATGTGAGAGTGAAGCCCTATGAATGCAATGAATGTGGAAAGTCTTACAGCCAGAGATCTCACCTT
GTTGTGCATCATAAGAATTCACACTGGACTAAAACCTTTTGAAGTGAAGGATTGTGGAAAATGTTTTAGTC
GAAGCTCTCACCTTTATTACATCAAAGAACCCACTGGAGAGAAACCATATGAGTGTGATGATTGTGG
AAAATCTTTCAGCCAGAGTTCTGCCCTTATTGTGCATCAGAGGATACACACTGGAGAGAAACCATATGAA
TGCTGTGAGTGTGGGAAAGCCTTCATCCGGAAGAATGACCTCATTAAAGCACCAGAGAATTCATGTTGGAG
AAGAGACCTATAAATGTAATCAATGTGGCATTATCTTCAGCCAGAACTCTCCATTTATAGTTCATCAAAT
AGCTCACACTGGAGAGCAGTTCTTAACATGCAATCAATGTGGGACAGCGCTTGTAAATACCTCTAACCTT
ATTGGATACCAGACAAATCATATTAGAGAAAATGCTTACTAA
    
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5' Read Nucleotide Sequence:

>OriGene 5' read for NM_015394 unedited

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AAGGGTTGCGAATAGGAATCCGATTTACTATAGGCGGCCGCGCAATTCGCACGAGGCCCCG
TGCCGAATTCGGCAGCAGGAGCTTATAGAATATCTCTGATGTTTCTCTGTATAGTGGGTG
TTTGCCTCATACCCAGCTGGTATGAAGAAGTTTAGACTGACAATTTAGGGAGCCTCCCAG
TCATCTGCAAACTTAACTTATGTTTCTTTCTTTTCCCAGCTTTGTCTCCTCAGCACTCT
GCTGTCACTCAAGGAAGTATCATCAAGAACAAGGAGGGCATGGATGCTAAGTCACTAACT
GCCTGGTCCCGGACACTGGTGACCTTCAAGGATGTATTTGTGGACTTCACCAGGGAGGAG
TGGAAGCTGCTGGACACTGCTCAGCAGATCGTGTACAGAAATGTGATGCTGGAGAATAT
AAGAACCTGGTTTCTTGGGTTATCAGCTTACTAAGCCAGATGTGATCCTCCGGTTGGAG
AAGGGAGAAGAGCCCTGGCTGGTGGAGAGAGAAATTCACCAAGAGACCCATCCTGATTCA
GAGACTGCATTTGAAATCAAATCATCAGTTTCCAGCAGGAGCATTTTTAAAGATAAGCAA
TCCTGTGACATTAATAAGGAAGTGGCAAGGAATGATCTCTGGTATTTGTCATTAGAA
GAAGTCTGGAAATGTAGAGACCAGTTAGACAAGTATCANGAAAACCCAGAGAGACATTTG
AGGCAAGTGGCATTACCCAAAAGAAAGTACTTACTCANGAGAGAGTCTCTGAAAGTGGT
AAATATGGGGGAAACTGTCTTCTTCTGCTCAGCTAGTACTGAGAGAGTATTTNCATAAA
CGTGACTCACATACTAAAAGNNTAAACATGATTTAGTTCTTAATGGTCATCAGCAGAGT
TGTTGCAGTTAA
    
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3' Read Nucleotide Sequence:	>OriGene 3' read for NM_015394 unedited GGACGCGGCCGCAATCTANAGTCGAGTTTTTTTTTTTTTTTTTTTTTTTGTGTATACAACATTAC AAGCTGTTTATTGATCCTCAGAAATGAAACCTATATCCACTATTTGTCAGTGATTTTCCC AGGCTGTTGAGTTCTGATTTAGGCAAAAGGGAAAAACCATGTATGACTGTAAGGGGAAGTG AGAAGCTCAGTAAATCTTATAAGCACACAAGCAGATTTCAATTAATAACAGATATTAGG GTGCGGCAATATTATTAATAATCACAGCCAGTAACTACAGAGAACATAATATATGTCAGG CACTATTCTAAGCTGTTCCATTTACTCATTTAATACTCACCATAATCCTACCAGGTAAG TACTATTATTATCGCTAATTTACAGATGAGGATATCAGTAAGTTTGGCACAGAGAAGCTA AGCAGCATGTTCAAGATCACCCAGCTAGTGGGGTTTCAACCTGGGTAGTCTAGCTCAAGT CTACGCTCTTAAACACTAATCTTTCTTTATAAAGATAAAAGACTACCTTGAGAAAGAGGG TATCTTTGGACTGTGCTCTGTTTATCACATGAGGACACTTGCTCTAAATATTGTTTAAAT ACTTNGTTCCTAAAATGGGGACCTCCCTGATATGTTCAAATGCCAATGTTCCCTA AGTCTACATCCACAGAATACTGTGTTTTAAATCCTCAGAGCTTGCAGTGCTAATAAG AGTGAAAAAGTGGGACTTTGTGACCCAAACCATTTAGATAGGAAAGCTCATAACAAGTG GCACTCAAAGCTTCTTGATGCGAAAAAAAAGAACTAATATCCTNTTAAACATATTTAAAG TTCTTTAAATATTATCCCCACCATTAAACCGACATTTAACCTATTCCAATTCTCTCTAT TTACAAAAATNTTGGTAATTTCTGGAACCTCAATCTTGCCCATGCCAAGTCTCAATAG GTTACCCCTGTGAAAAATGGTTGTTT
Restriction Sites:	NotI-NotI
ACCN:	NM_015394
Insert Size:	3410 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:	<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_015394.4 , NP_056209.2
RefSeq Size:	4417 bp
RefSeq ORF:	1722 bp
Locus ID:	7556
UniProt ID:	P21506
Cytogenetics:	12q24.33
Domains:	KRAB, zf-C2H2

Protein Families: Transcription Factors

Gene Summary: The protein encoded by this gene contains a C2H2 zinc finger, and has been shown to function as a transcriptional repressor. The Kruppel-associated box (KRAB) domain of this protein is found to be responsible for its transcriptional repression activity. RING finger containing protein TIF1 was reported to interact with the KRAB domain, and may serve as a mediator for the repression activity of this protein. [provided by RefSeq, Jul 2008]