

Product datasheet for **SC114821**

ZBTB40 (NM_014870) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	ZBTB40 (NM_014870) Human Untagged Clone
Tag:	Tag Free
Symbol:	ZBTB40
Synonyms:	ZNF923
Mammalian Cell Selection:	None
Vector:	<u>pCMV6-XL4</u>
E. coli Selection:	Ampicillin (100 ug/mL)
Fully Sequenced ORF:	>NCBI ORF sequence for NM_014870, the custom clone sequence may differ by one or more nucleotides

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ATGGAGCTCCCCAACTACAGCCGGCAGCTGCTGCAGCAGCTGTACTCTGTGCAAGGAGCAGCAGTTCT
GTGATTGCACCATCTCCATTGGTACCATTTACTTCAGGGCTCACAAGCTTGTCTGGCTGCTGCCAGCCT
CCTGTTCAAACCTGCTGGATAACACAGATACCATCTCCATCGATGCATCTGTGGTGAGCCCCGAGGAG
TTTGCCTCTTGTGGAAATGATGTACACGGGCAAACCTGTGGGCAAGCACAACCTTCTCCAAAATCA
TCTCCTTAGCAGACAGTCTACAGATGTTTGTAGTGTAGCTGTAGCTGCAAAAATCTTCTGACCAGCCTGT
AACTGCTCGGTCAGGGTCAGGTGGTAAGGGATGTCTCTGCCCATCCTCAGAGACATTCAGAAAGGAA
CCAGAGAAGCCTCAAGTAGAAATCCTTTCATCTGAAGGTGCTGGAGAGCCTCATTCTCCAGAGCTTG
CTGCCACTCCAGGGGCCCTGTGAAAGCTGAGACTGAGGAAGCAGCCATTTCAGTTTCACAAGAGATGAG
TGTGAATTCTCCACAGCCCAGGAGAGCCAGAGGAATGCAGAAACCCAGCGGAGACTCCTACTACAGCT
GAAGCTTGTTCCTCCCTGCTGTGCAAACCTTTAGTGAGGCAAGAAGACAAGCACAGAACCAGGAT
GTGAAAGGAAACTACCAGCTGAATTTCTTCTAGAAAATGAAGGTGCTTCTCAGATGCACTCATGGT
TACCCAGGATGTTTTAAAAAACTAGAAATGTGTTTCAAGAAATTAAGGTCCACAGAAGGAGATGATAGT
AAATGTTTCGAGGGTGAAGGAGGACATTCAGCATTCCAGAGAATCCTGGGTAAGTAAGAGAGGAAAGCC
TGGATGTTCAAACCTGTTGTCCCTGTTGAGGCTGTACCAATATCTAATCCTGCAGTAAAAACAGCACT
ATTAGACAGGAAGCCAGAAGATGTAGACACAGTGCAGCCAAAAGGAGCAGAGGAGGGAAAGACCTTG
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CAGAACACCCAAGGAGACAATAGAAAATTTGTTGCACAGAATGACTGAAGAGAAGACGCTGACTGCTGAG
GGTTTGGTAAAACCTCCTCCAGGCTGTGAAGACGACTTTCCCAAACCTGGGCTTCTGCTAGAGAAGTTGC
AGAAATCAGCCACTTTGCCAAGCACCACAGTCCAACCAAGCCCTGATGATTATGGGACTGAGCTATTGAG
ACGCTATCATGAAAACCTCTCTGAGATTTTACAGACAACCAGATTTTATTAAGATGATCTCACACATG
ACAAGTTTAGCCCTGGAGAAAGAGAGGTCATGGAGAAGCTTGTGAAACGTGACTCTGGTTCAGGTGGTT
TCAATTCTGATATCAGCAGTTCTAGAAAAGCAGACTCTCTGCCACAGCCATTTGGCAACTGCTGCT
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GGTGGTTCAGGAGACAAAGACCTGTCCATTGGACCTGCTCATGGAGGAAATACGAAGGGAGCCTGGTGCC
GATGCTTTCTCCGGGCAGTGACCACCCAGAACATGCCACTTTAGAAACAATCCTGAGGCATAACCCAGT
TGATCTTGGAGGCCATCCAACAGAAGATTGAGTACAAGCTCTTTACCTCGGAGGAGGACACCTGGCAGA
GACTGTGAAAGAGATTCTGAGCATTCCCTCTGAGACAGCCAGCCCTGAAGCTTCCCTGAGAGCAGTGCTG
AGCAGAGCCATGGAAAAATCAGTCCCGGCCATTGAAATATGCCACCTCCTGTGCAGTGTCCACAAATCTT
TTCCAGGCCTGCAGCCTGTGCATGCAGGAGTTGGCATAACATTGGTGCCTTACTAAGGAAGATGGAGAGAA
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GAAGACAGCCAGCCTGGGGAACAGAATGATCAAGGAGAGACTGGTTCTTCCAGGACAGCAAGAGAAAG
AGGCTTACGCTCCCGAGACCCTGCCAAGAAGAGCTTCACTGTGAAGGCCTGCGACAAAAGCTTCCATTT
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CCATGCCTCAGGCATGCAGTACCATAAGCTGACAGAGCACTTCGATGAGAAGCCTTCTCCTGTGAAGAG
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GAGTTTCCCCTCTTCCAGGATCACCGGAAGCAGATCCATGAGGTGCACTCCAAAGAGTACCACCCTGC
CCCACGTGTGGGAAGATCTTCAAGTGCCTCCATGCTGGAGCGGCACGTGGTGACCCACGTTGGAGGGA
AGCCCTTACAGTGCAGGATCTGCAACAAGGCTACCAGCAATTGTCTGGTTTGTGGTACCACAATCGAAC
CCACCACCCTGACGTATTTGCTGCTCAGAACCACCGATCTTCCAAGTTCATCACTCCAGTGCAGATCC
TGTGCAAAAACCTTCCCAACACCATTGAGCACAAGAAGCAGATCAAAGCAGAACATGAGATGAAGT
TCCATGAATGTGACCAGTGAAGGAGCTTCCCGCAGCCAGCCTTGTGCAAGTTCATGTCAAGTGCCA
GCATTCAGGGTCCAGCATTCCGGTGCTTGTACTGTGCTGCTACTTTCCGTTTTCTGGAGCATTGCAG
CACCATGTACCACGGAGCACTTCAAGCAGTGCAGAGACCCTTCCCTGTGAGCTCTGTGGGAACTCT
TCACCTCCAGGCCAGCTTGCAGTCACTGGAATCTGAGCACCACAAAGGTGATGAGCAGCGAAACCCA
GGCCGAGCCTCACAGATGGCGCAGGTGATCCAAACCCAGAGCCGGTGGCCCGACAGAGCAGGTGATC
ACTTTGGAGGAGACCCAGCTTCCCGGTGCGAGGTGTTTGTGACGTTGCCAGATTCTCAGGCATCTCAGG
CCAGCTCTGAGCTCGTGGCGGTGACTGTGGAGGACTTGTGGATGGCACAGTGACGCTGATCTGTGGTGA
GGCCAAATGA
    
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5' Read Nucleotide Sequence:

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>OriGene 5' read for NM_014870 unedited
GCCGCGATTTCGGCAGGAGCTGGCAGANACTGTGAAAGNANATTCTGAGCATTCCCTCTGA
NACAGCCAGCCCTGAAGCTTCCCTGAGAGCAGTGTGAGCAGAGCCATGGAAAAATCAGT
CCCGGCCATTGAAATATGCCACCTCCTGTGCAGTGTCCACAAATCTTTCCAGGCCTGCA
GCCTGTATGCAGGAGTTGGCATAACATTGGTGTCTTACTAAGGAAGATGGAGAGAAGGA
AACGTGGAAGGTGAGTAATAAATTTACCTTGAAGCCAACAACAAGAAGATGAAAAGGC
AGCCAAAGAAGACAGCCAGCCTGGGGAACAGAATGATCAAGGAGAGACTGGTTCCCTTGCC
AGGACAGCAAGAGAAAGAGGCTTCAAGCCTCCCGAGACCCTGCCAAGAAGAGCTTCACTG
TAAGGCCTGCGACAAAAGCTTCCATTTCTACTGCCGCTAAAGGTGCACATGAAGCGCTG
CCGGGTGGCTAAGAGCAAACAGGTGCAGTGTAAAGGAGTGCAGTGAGACCAAGGATTCAAA
GAAAGAGCTGGACAAACATCAGCTGGAGGCCATGGTGCAGGTGGAGAGCCCGATGCCCC
CAAGAAGAAGAAGAAGAGGCTTCCAGTGACATGTGACCTCTGTGGCAGAGAATTTGCCCA
TGCCCTCAGGCATGCAGTACCATAAGCTGACAGAGCACTTCGATGAGAAGCCTTTCTNCTG
TGAAGAGTGTGGGGCGAAGTTTGCAGCCAATTCCACCCTGAAGAACCACCTTCGCTTCA
CACCGGGGACCGNCCGTTTCACTGTGCAAGCACTGCCTCATGACCTTACCCAGGCCT
    
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3' Read Nucleotide Sequence:	<p>>OriGene 3' read for NM_014870 unedited</p> <pre>TGACCGCGCCGCAATCTAGAGTCGAGTTTTTTTTTTTTTTTTTTTTTTTTTTTCAAATTT ACACCCCTCTTTATTCGAAAATTTTTTTTGTGTGTGTGTGTGTCTTTTAAATCAC TTCCCTATAAGCCCTCAGCAATTATTTCTAGTTTTGTGTGTGGAAGAAATTTAATGACAT TCACTGCAACTCCAAGCCCCATCCCACAGTTTGTGAGGGGCTGGATTCTCATCCACTGG ACTTGCCACCAATGCCCTGTAAGCATGTGCCACTCTACGATCTTTCAGGGGGTTTTCTCT GCTGCCAAGGGGATATTCAGGGCCATTTTCCACCTGCAGATCAAGAGCTCTCCCAAAT GACAGTTCCAGGACGGAAAAGCCTTAATACAGGCACAGCCTTGGTAGAAACAGGGAGCC CTTCACATGGAGATGAAGCCTTAAAGGTTTGTGACACCATTTTCTGGCCCGTTTTTGGCTT CTGAGGCCGCACTCTGCTTTACAACCTTCATTTATTTCAAATGGCAGACACCCTCACCG CCAAGCTCAAGTGACCTGCGTATCCAAAATGTGGCCAGGACCATACCCAGGCCACCCGC CTGGGATGACCTGCCCGCCTGGCCGGACCTGGGGCTCGCTGTGGAAACCGTGGGGCT GCCTGCACAAAGCCGCATATGCCATTATCTGCCCGTCTGCTGTACCACGGCTGGGCTCT CTGCCCTTAAGCACGGTGAGCCCTGACCTTGTGGGACACCCACTCCCATGGCGAC CCAACGCCACTCTTGCCCTGTATGGCCCTGTCCCACTGCCTGTAACCACCGCCGGC CCCCCNTGNGNGGGGTACCANCNGNCCNCNNGGGGNNAGNNNAAGGG GGGNAANNNNNNNNGGGGTAAANNNGNTNNNNNNNNNNNGGNAACCGGGGGGANC GGGGCGTGACACCACCCCCACAGCCGGATGGGCGCACCAACTCGGCACCC</pre>
Restriction Sites:	NotI-NotI
ACCN:	NM_014870
Insert Size:	4230 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:	<u>NM_014870.1</u> , <u>NP_055685.1</u>
RefSeq Size:	8704 bp
RefSeq ORF:	1257 bp
Locus ID:	9923
UniProt ID:	<u>Q9NUA8</u>
Cytogenetics:	1p36.12
Domains:	zf-C2H2

Protein Families: Transcription Factors

Gene Summary: May be involved in transcriptional regulation.[UniProtKB/Swiss-Prot Function]
Transcript Variant: This variant (2) differs in the 5' UTR compared to variant 1. Both variants 1 and 2 encode the same isoform (a). Sequence Note: This RefSeq record was created from transcript and genomic sequence data because no single transcript was available for the full length of the gene. The extent of this transcript is supported by transcript alignments.