

Product datasheet for **SC318971**

ZBTB1 (NM_001123329) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	ZBTB1 (NM_001123329) Human Untagged Clone
Tag:	Tag Free
Symbol:	ZBTB1
Synonyms:	ZNF909
Vector:	<u>pCMV6 series</u>



[View online »](#)

Fully Sequenced ORF: >NCBI ORF sequence for NM_001123329, the custom clone sequence may differ by one or more nucleotides

```

ATGGCAAAGCCCAGCCACAGCAGCTATGTCCTTCAGCAGCTAAACAACCAAGAGAATGG
GGTTTTCTCTGTGACTGCTGTATTGCAATTGATGACATTTACTTTCAAGCACACAAGGCA
GTTCTAGCTGCCTGTAGCTCCTATTTTGAATGTTTTTCATGAACCATCAGCATAGTACT
GCACAACTGAATCTCAGCAACATGAAAAATTAGTGCAGAATGTTTTGATCTCATTTTGCAG
TTTATGTATTTAGGAAAAATTATGACAGCTCCCTCCAGTTTTGAGCAGTTTAAAGTGGCA
ATGAACTACCTACAGCTATACAATGTTCTGACTGTTTGAAGACATCCAGGATGCAGAT
TGTCTAGTTCAAAATGTTCTCTCTGCTTCCAGCAACAGAACAGCAAAATGATATTT
GGGGTAAGAATGTATGAAGATACTGTGGCTCGAAATGGCAATGAAGCCAACAGGTGGTGT
GCAGAGCCAAGTTCACGGTAAATACACCACATAATAGAGAGGCTGATGAAGAGTCTTTA
CAATTAGTAAATTTCTGAGCCACTATTTGATGTATGTAAAAAAGTCCGTGTCCAAA
TTATCTACTCCAAAAGACGTGTGTCAAGACGCTTTGGCGGAGTTTTACCTGTGATAGC
TGTGGATTTGGCTTTAGCTGTGAAAAATTATTAGATGAGCATGTGCTAACCTGTACTAAC
AGACATTTATACAAAACACAAGATCTTACCATAGAATAGTAGATATTAGAGATGAAAA
GACAGTAACATCAAAGCTGAATTTGGTGAAAAAGATTCTTCCAAAACATTTCTGCACAG
ACGGACAATACAGAGGAGACACAAGCCAGGCTGCTGATGATTACGTTCAACCACTGGA
AGCAGAAAAAGTAGCACAGTGGAGTCTGAAATAGCAAGCGAAGAGAAAAGCAGAGCTGCT
GAGAGGAAAAGGATTATTATTAAGATGGAGCCAGAAGATATTCCTACAGATGAAGTAAA
GACTTTAACATTATTAAGTTACTGATAAAGACTGTAATGAATCCACTGACAATGATGAA
TTAGAAGATGAACCTGAAGAGCCATTTTATAGATACTATGTTGAAGAAGATGTCAGCATA
AAAAAAGTGGTAGGAAAACCTCTAAACCTCGAATGTCAGTAAGTGTGATGAAAGAGGT
GGTTTAGAGAATATGAGGCCCCCTAACAAACAGCAGTCCAGTACAAGAGGATGCTGAAAAT
GCATCTTGTGAGCTGTGTGGACTTACAATAACCGAGGAGGACCTGTCATCTCATTACTTA
GCCAAACACATTGAAAATATCTGTGCATGTGGTAAATGTGGACAAATACTTGTAAGGGT
AGGCAGCTTCAGGAACATGCTCAACGATGTGGCGAGCCCCAAGATCTGACCATGAATGGG
TTAGGAAATACTGAGGAGAAAAATGGACTTGAAGAGAATCCTGATGAGCAGTCCGAAATA
AGAGATATGTTTGTGAAATGCTGGATGATTTTAGGGACAATCATTACCAGATAAACAGT
ATCCAAAAAAGCAGTTATTTAAACATTCTGCCTGCCCTTTTCGATGTCCTAATTGTGGC
CAGCGTTTTGAACTGAAATCTAGTGGTTGAACATATGTCTAGCTGCTTAGATCAAGAT
ATGTTTAAAGAGTGCCATCATGGAAGAAAAATGAAAGAGATCACAGACGAAAGCATTTTTGT
AATCTGTGTGGAAGGATTTTATCAGCGGTGTCACTTAAGAGAACACTATACTGTTCAT
ACTAAGGAAAAACAGTTTGTGTTGTCAAACATGTGGAAAGCAGTTTTTAAGAGAGCGTCAG
TTGCGACTGCACAATGATATGCACAAAGGCATGGCCAGGTATGTCTGTTCCATTTGTGAT
CAAGGAACTTCAGAAAACATGACCATGTACGGCATATGATTTCTCATTATCTGCTGGT
GAGACTATATGCCAGGTCTGCTTTCAGATATCCCAAATAATGAACAGTTGGAGCAGCAC
ATGGATGTTCTATCTGTATACATGTGGAATATGTGGAGCAAAATTAATTTGAGGAAAGAT
ATGAGATCACATTATAATGCCAAGCATTGAAAAGAACC

```

Restriction Sites: Please inquire

ACCN: NM_001123329

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:	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_001123329.1, NP_001116801.1</u>
RefSeq Size:	3852 bp
RefSeq ORF:	2142 bp
Locus ID:	22890
UniProt ID:	<u>Q9Y2K1</u>
Cytogenetics:	14q23.3
Protein Families:	Transcription Factors
Gene Summary:	Acts as a transcriptional repressor (PubMed:20797634). Represses cAMP-responsive element (CRE)-mediated transcriptional activation (PubMed:21706167). In addition, has a role in translesion DNA synthesis. Requires for UV-inducible RAD18 loading, PCNA monoubiquitination, POLH recruitment to replication factories and efficient translesion DNA synthesis (PubMed:24657165). Plays a key role in the transcriptional regulation of T lymphocyte development (By similarity).[UniProtKB/Swiss-Prot Function] Transcript Variant: This variant (1) encodes the longer isoform (1).