

## Product datasheet for **SC305247**

### **ZBTB46 (NM\_025224) Human Untagged Clone**

#### Product data:

|                    |                                                    |
|--------------------|----------------------------------------------------|
| Product Type:      | Expression Plasmids                                |
| Tag:               | Tag Free                                           |
| Symbol:            | ZBTB46                                             |
| Synonyms:          | BTBD4; BZEL; dJ583P15.7; dJ583P15.8; RINZF; ZNF340 |
| Mammalian Cell     | None                                               |
| Selection:         |                                                    |
| Vector:            | <u>pCMV6-XL5</u>                                   |
| E. coli Selection: | Ampicillin (100 ug/mL)                             |



### Fully Sequenced ORF:

>OriGene sequence for NM\_052224 edited

GACGGACGGACGGACGGACCGAGCAGCCCCGGCGAGCGCGCAGCTCGGACCCGCCCGGAC  
GCAGCGCCTCCCGCGCGCGCGCGCATCACCGGCGCCGCCCGCGCGCGCGCGCGCC  
CCCTCGCCCGCGCCCATGGGGTACAGAGTCTGTAGAAGAGGCGACACCAGGCTTCCA  
AATGAACAACCGAAAGGAATATGGAATCGCGTCCCACTACCGGCACCTGCTGCGGGA  
GCTCAACGAGCAGAGGCGAGCAGCGCGTCTGTGCGACGTCTGCGTGGTCTGGAGGGCAA  
GGCTTTCAAGGCGCACAGAAGCTCTGCTGGGCAGCAGCGCTACTTCAAGACGCTCTA  
CTGCCAGGTGCAAGACGCTCGGAGCAGGCCAGCGTCACGACCTGGACATCGTCAAGG  
CCAGGGCTTCAAGGCGCATCTCAGCTTATGTACTACGCGCACTTGGCGCTCACCAGCAG  
GAACGTCTCAGGCTGATGTCAGCCGCCAGCTTCTGCGAGATGACGGACATCGTGAAGC  
CTGCCAGACTTCATCAAGGCGCGCTGGACATCAGCATCAAGTCGGACGCCCTCAGATGA  
GCTTGCAGGATTGAGATCGCGCCTCGTCCAGCAGCAGCAGCGAAGCTCTCATCTCGGC  
CGTGATGGCCGGGAGGAGCATCTCCCGTGGCTGGCAGGGCGAACAGTCTGCCAATTCT  
TTCGGAGACTCGGCCATCGCCAGCTGTACGACGAGGAGGAGCAGCTACGGGAAAGAGGA  
TCAGGAGCCCAAGGCCGATGCCCTGATGATGTTTCTTACAGCCCTCTATGGCCTGGAGA  
CGTGGGCTACGGGCTCTGCGCATCAAGGAAGAGCAGGTTTACCGTCTCAGTACGGAGA  
GAGCGAGTGCCTTCTGCCAAGGACGCGTGAGTACAGAAGCTTTCTCAGAGCAGAGTGC  
TGGTGATGCTGCGAGCCACGGGCCGAAGGAAGAATCGGAAAAACAAAGAGACCGTCCG  
GCACATCACACAGCAGGTGGAAGATGACAGCGGGGCCAGCTCCCGGTGCCGTCTTCTCT  
GCCGAGCTCGGGTGGCGGTTTACAGACCCGAGACTCAATGCGGACTGTCCGTACCCGA  
AGCCAGCAGCTCCGACAGCCGAGGAGAGAGGGCCGAGCTCTATGCACAGTGGAGAGGG  
TCTCTGGGAGGAGAAGCCAGCTATCTGGGCCCTCCCTCACCCAGAGAAGGACGACGC  
CCTGCATCAGGCCACCGCGTGGCCAGCTGCGCGCGGCGCTGATGAGTAAGAACACCTCT  
GCTGTGCTGTAAGGCCGAGCGTGTGGGGTACGCGGCTCCCTGCTGTTCGAGTACGTC  
CAGAGGGGCCCACTCGCTGTCCCTGAATGAGTTACGGTGATCAGGAAGAAGTTCAAGTG  
TCCGTA CTGAGCTTCTCGGCCATGCACCAAGTGCATCTCAAGCGACACATGCCTCGCA  
CACGGGAGAGCGGCCCTACCCCTGCGAGATCTGCGGGAAGAAGTTCACGCGGCGCGAGCA  
CATGAAGCGCCACAGCTGGTCCACAGCAAGGACAAGAAGTATGTGTGCAAGGTGTGCAG  
CCGCGTCTTATGTCCGCGGCCAGCGTGGGCATCAGGCATGGCTCCAGGCGCCACGGTGT  
GTGCACCGACTGTGCTGGCCGCGGCATGGCCGGGCCCTGGACCATGGCGGCGGAGGCGG  
CGAGGGCTCTCCAGAGGCGCTGTTCCCAAGGCGACGGGCCCTATCTGGAGGACCTGAGGA  
CCCACGAGGGGAGGCGGAGGCTGGGCGAGGACGAGGCGCTGGCCCTGAGGATGAGT  
CGTGTGGCGGACGACAAGGATGAGGAAGACTCGCGCGGCGCGCGACGCCCCACGAGG  
CCCTGACAAGGACTTCGCTGGCTCTCTAGGCCCGCCGCGGCGAGGTCGTTGGTGC  
CTCGTCCGTCCACCGTGTGTGTGTCCGGTGCCCTGGCTGGAGCTGTCTACACACA  
CCCTCAGCTCGGAGGCTGTGGGCTCTCAAAGCTGGAGAAAGAGCCAAAGATTTTTCTG  
CACACGAGTGTGGGATAGGAGCCGGGCAAGCGCTGGCCCTCAGCGGTGAGCCCTGC  
CACTCTTACCGAGCAAGTTTGCCGACTGAAGAGTGTGGATTTCGAGGCCCAGGTGAG  
CAGCTCCATCTCAGGAGGCGTGGAGGGAAAGACATGTCTGAAGGGTTTTTTTTATGT  
GACTGATTTTTTTTTAAATCATGTTCAAACATAAATATTTTTTATGAAGAGGAAAA  
AAAAAAAAAAAAAAAA

**Restriction Sites:**

Please inquire

**ACCN:**

NM\_025224

**Insert Size:**

2400 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).

|                               |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |
|-------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>OTI Annotation:</b>        | 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.                                                                                                                                                                                                                                                      |
| <b>Components:</b>            | 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).                                                                                                                                                                                                                                                                                                                                    |
| <b>Reconstitution Method:</b> | <ol style="list-style-type: none"> <li>1. Centrifuge at 5,000xg for 5min.</li> <li>2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA.</li> <li>3. Close the tube and incubate for 10 minutes at room temperature.</li> <li>4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom.</li> <li>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.</li> </ol> |
| <b>Note:</b>                  | Plasmids are not sterile. For experiments where strict sterility is required, filtration with 0.22um filter is required.                                                                                                                                                                                                                                                                                                                                                                                                |
| <b>RefSeq:</b>                | <u>NM_025224.2, NP_079500.1</u>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |
| <b>RefSeq Size:</b>           | 4376 bp                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |
| <b>RefSeq ORF:</b>            | 1770 bp                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |
| <b>Locus ID:</b>              | 140685                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |
| <b>UniProt ID:</b>            | <u>Q86UZ6</u>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |
| <b>Cytogenetics:</b>          | 20q13.33                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |
| <b>Gene Summary:</b>          | Function as a transcriptional repressor for PRDM1.[UniProtKB/Swiss-Prot Function]                                                                                                                                                                                                                                                                                                                                                                                                                                       |