

## Product datasheet for **SC325123**

### **ZBTB43 (NM\_001135776) Human Untagged Clone**

#### **Product data:**

|                           |                                            |
|---------------------------|--------------------------------------------|
| Product Type:             | Expression Plasmids                        |
| Product Name:             | ZBTB43 (NM_001135776) Human Untagged Clone |
| Tag:                      | Tag Free                                   |
| Symbol:                   | ZBTB43                                     |
| Synonyms:                 | ZBTB22B; ZNF-X; ZNF297B                    |
| Mammalian Cell Selection: | Neomycin                                   |
| Vector:                   | pCMV6-Entry (PS100001)                     |
| E. coli Selection:        | Kanamycin (25 ug/mL)                       |



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**Fully Sequenced ORF:** >SC325123 representing NM\_001135776.  
 Blue=Insert sequence Red=Cloning site Green=Tag(s)

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GCTCGTTTAGTGAACCGTCAGAATTTTGAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTG
GATCCGGTACCGAGGAGATCTGCCGCCCGCATCGCC
ATGGAGCCTGGAACAACTCTTTTCGGGTAGAATTTCTGATTTTTCCAGCACCATTCTACAGAACTG
AACCAGCAGCGCCAGCAAGGACAATTATGTGACGTCTCCATTGTTGTCCAAGGCCACATTTCCGGGCA
CACAAAGCCGTTCTTGCTGCCAGTTCACCTACTTTTGTGACCAGGTACTCCTGAAAAACAGCAGGAGA
ATTGTTTTGCCTGATGTGATGAACCCAAGAGTGTGAGAACATTCTCCTATCTAGTTATACAGGACGT
CTAGTAATGCCCGCTCCAGAAATTGTTAGTTACTTGACAGCGGCAAGCTTCTCCAGATGTGGCATGTG
GTAGACAAATGCACTGAAGTTTTAGAGGGAAACCTACAGTCCTTTGTCAGAAGCTAAATCATGGCAGT
GACCACAGTCACCAAGCAGCAGTAGTTATAATGGCCTGGTAGAGAGCTTTGAGCTGGGCTCTGGGGT
CATACTGATTTTCCAAAGCCCAAGAACTGAGAGATGGTAAAAATGAAGAGGAGACACCAAGACGAG
CTGTCATCCAGCTCACCAGCAGCAATACCTGCCAGCAACTCGTCCACAGAGCATGACCGCTGAGC
ACGGAAATGGCAAGCCAGGATGGGGAGGAGGGCGCCAGCGACAGCGCCGAGTTCCACTACACCCGGCCC
ATGTACAGCAAGCCAGCATCATGGCTCACAACGCTGGATCCACGTGAAGCCCGAGCGCTTAGAACAG
GCTTGCGAGGGCATGGATGTGCACGCGACCTACGACGAGCACCAGGTACAGAGTCCATCAACACCGTG
CAGACAGAGCACACGGTGCAGCCTTCGGGAGTGGAGGAGGACTTCCACATCGGGGAGAAGAAAGTGGA
GCTGAGTTTGATGAACAGGCTGATGAAAGCAATTATGATGAGCAGGTGGATTTCTATGGCTCTTCCATG
GAAGAGTTTCCGGAGAGAGGTGATGGAATCTAATTGGGCACAGACAGGAGGCTGCCCTCGCAGCA
GGTTACAGTGAGAATATTGAAATGGTAACAGGGATTAAAGAAGAAGCTTCCCACTTAGGATTCTCAGCC
ACTGACAAGCTGTATCCTTGTGAGTGTGGGAAAAGTTTCACTACAAGAGTCAGAGAGATCGGCACATG
AGCATGCACCTCGGTCTTCGGCCTTACGGCTGTGGGTCTGCGGTAAGAAATCAAATGAAGCACCAT
CTCGTGGGCCACATGAAATTCACACAGGCATAAAGCCGTATGAGTGTAATATCTGTGCAAGAGGTTT
ATGTGGAGGGACAGTTTCCACCGCATGTGACTTCTGTACTAAGTCTACGAAGCTGCAAGGCTGAG
CAGAATACAACCTGAGGCTAACTAA
ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCCTGGAT
TACAAGGATGACGACGATAAGGTTTAAACGGCCGGC
  
```

**Restriction Sites:** SgfI-MluI

**ACCN:** NM\_001135776

**Insert Size:** 1404 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).

**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).

|                               |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |
|-------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <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>RefSeq:</b>                | <u>NM_001135776.1</u>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |
| <b>RefSeq Size:</b>           | 5851 bp                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |
| <b>RefSeq ORF:</b>            | 1404 bp                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |
| <b>Locus ID:</b>              | 23099                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |
| <b>UniProt ID:</b>            | <u>O43298</u>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |
| <b>Cytogenetics:</b>          | 9q33.3                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |
| <b>Protein Families:</b>      | Transcription Factors                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |
| <b>MW:</b>                    | 52.6 kDa                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |
| <b>Gene Summary:</b>          | <p>May be involved in transcriptional regulation.[UniProtKB/Swiss-Prot Function]</p> <p>Transcript Variant: This variant (2) differs in the 5' UTR compared to variant 1. Both variants encode the same protein. 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.</p>                                                           |