

## Product datasheet for **SC327202**

### ZBTB20 (NM\_001164342) Human Untagged Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	ZBTB20 (NM_001164342) Human Untagged Clone
Tag:	Tag Free
Symbol:	ZBTB20
Synonyms:	DPZF; HOF; ODA-8S; PRIMS; ZNF288
Mammalian Cell Selection:	None
Vector:	<u><a href="#">pCMV6-XL5</a></u>
E. coli Selection:	Ampicillin (100 ug/mL)



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**Fully Sequenced ORF:** >OriGene sequence for NM\_001164342 edited  
 GCCACCATGCTAGAACGGAAGAAACCCAAGACAGCTGAAAACAGGAGGCATCTGAGGAG  
 AATGAGATTACTCAGCCGGGTGGATCCAGCGCCAAGCCGGGCCTTCCCTGCCTGAACTTT  
 GAAGCTGTTTTGTCTCCAGACCCAGCCCTCATCCAACACATTCACTGACAACTCT  
 CACGCTCACACCGGGTCACTGTATTGTGACATCAGTTGCAAGGGGATGACCGAGCGCATT  
 CACAGCATCAACCTTCACAACTTCAGCAATTCCTGTGCTCGAGACCCTCAACGAGCAGCGC  
 AACCGTGGCCACTTCTGTGACGTAACGGTGCATCCACGGGAGCATGCTGCGCGCACAC  
 CGCTGCGTGTGCGAGCCGGCAGCCCTTCTTCCAGGACAACTGCTGCTTGGCTACAGC  
 GACATCGAGATCCCGTCCGGTGGTGTGAGTGCAGTCAAGTGCAAAAGCTCATTGACTTCATG  
 TACAGCGGCGTGTACGGGTCTCGCAGTCGGAAGCTCTGCAGATCCTCACGGCCGCCAGC  
 ATCCTGCAGATCAAAACAGTCATCGACGAGTGCACGCGCATCGTGTACAGAACGTGGGC  
 GATGTGTTCCCGGGGATCCAGGACTCGGGCCAGGACACGCCGCGGGGACTCCCGAGTCA  
 GGCACGTGAGCCAGAGCAGCGACACGGAGTCGGGCTACCTGCAGAGCCACCCACAGCAC  
 AGCGTGGACAGGATCTACTCGGCACTCTACGCGTGTCCATGCAGAAATGGCAGCGCGGAG  
 CGCTCTTTTTACAGCGGCGCAGTGGTCAAGCAGGACTGCGCTCGGCTGCCCGC  
 GACCACCACATGGAAGACCCAGCTGGATCACACGCATCCATGAGCGCTCGCAGCAGATG  
 GAGCGCTACCTGTCCACCACCCCGAGACCACGCACTGCCGCAAGCAGCCCGGCGCTGTG  
 CGCATCCAGACCTAGTGGGCAACATCCACATCAAGCAGGAGATGGAGGACGATTACGAC  
 TACTACGGGCGAGCAAGGGTGCAGATCCTGGAACGCAACGAATCCGAGGAGTGCACGGAA  
 GACACAGACCAGGCCGAGGGCACCGAGAGTGAAGCCAAAGGTGAAAGCTTCGACTCGGGC  
 GTCAGCTCCTCCATAGGCACCGAGCCTGACTCGGTGGAGCAGCAGTTTGGGCCTGGGGC  
 GCGCGGGACAGCCAGGCTGAACCCACCAACCCGAGCAGGCTGCAGAAGCCCGCTGAG  
 GGTGGTCCGAGACAAACAGCTAGAAACAGGTGCTTCTCTCCGAGAGAGAAGCAATGAA  
 GTGGAGATGGACAGCACTGTTATCACTGTGACGCAACAGCTCCGACAAGAGCGTCTTACAA  
 CAGCCTTCGGTCAACACGTCCATCGGGCAGCCATTGCCAAGTACCCAGCTCTACTACGC  
 CAGACAGAAACCTCACCAGCAACCTGAGGATGCCTCTGACCTTGACCAGCAACACGCAG  
 GTCATTGGCAGCTGGCAACACCTACCTGCCAGCCCTTCACTACCCAGCCCGCGGGC  
 AGTGGCCCAAGCCTTCTCTTACGCTGCCACAGCCCTGGCAGGCCAGCAGACCCAG  
 TTTGTGACAGTGTCCAGCCGGTCTGTCGACCTTACTGCACAGCTGCCAGCGCCACAG  
 CCCCTGGCCTCATCCGAGGCCACAGCACAGCCAGTGGGCAAGGGCAAAAAAAGCCTTAT  
 GAGTGCCTCTCTGCAACAAGACTTTACCGCCAAACAGAACTACGTCAAGCACATGTTT  
 GTACACACAGGTGAGAAGCCCAACATGCAGCATCTGTTGGCGCTCCTTCTCCTTAAAG  
 GATTACCTTATCAAGCACATGGTGCACACACAGGAGTGGGGCATAACAGTGTAGTATC  
 TGCAACAAGCGCTTACCCAGAAGAGCTCCCTCAACGTGCACATGCGCCTCCACCGGGGA  
 GAGAAGTCTACGAGTGTACATCTGCAAAAAGAAGTTCTCTCACAAGACCTCTCGGAG  
 CGACACGTGGCCCTGCACAGTGCAGCAATGGGACCCCCCTGCAGGCACACCCCGAGT  
 GCCCGCTGGCCCCAGGCGTGGTGGCTGCACGGAGGGGACCACTTACGTCTGCTCC  
 GTCTGCCAGCAAAGTTTGACCAATCGAGCAGTTCACGACCCACATGAGGATGCATGTG  
 TCTGACGGATAA

**Restriction Sites:** Please inquire  
**ACCN:** NM\_001164342  
**Insert Size:** 2200 bp

**OTI Disclaimer:** Due to the inherent nature of this plasmid, standard methods to replicate additional amounts of DNA in E. coli are highly likely to result in mutations and/or rearrangements. Therefore, OriGene does not guarantee the capability to replicate this plasmid DNA. Additional amounts of DNA can be purchased from OriGene with batch-specific, full-sequence verification at a reduced cost. Please contact our customer care team at [custsupport@origene.com](mailto:custsupport@origene.com) or by calling 301.340.3188 option 3 for pricing and delivery.

The molecular sequence of this clone aligns with the gene accession number as a point of reference only. However, individual transcript sequences of the same gene can differ through naturally occurring variations (e.g. polymorphisms), each with its own valid existence. This clone is substantially in agreement with the reference, but a complete review of all prevailing variants is recommended prior to use. [More info](#)

**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:** [NM\\_001164342.1](#), [NP\\_001157814.1](#)

**RefSeq Size:** 3317 bp

**RefSeq ORF:** 2226 bp

**Locus ID:** 26137

**UniProt ID:** [Q9HC78](#)

**Cytogenetics:** 3q13.31

**Protein Families:** Transcription Factors

**Gene Summary:**

This gene, which was initially designated as dendritic cell-derived BTB/POZ zinc finger (DPZF), belongs to a family of transcription factors with an N-terminal BTB/POZ domain and a C-terminal DNA-binding zinc finger domain. The BTB/POZ domain is a hydrophobic region of approximately 120 aa which mediates association with other BTB/POZ domain-containing proteins. This gene acts as a transcriptional repressor and plays a role in many processes including neurogenesis, glucose homeostasis, and postnatal growth. Mutations in this gene have been associated with Primrose syndrome as well as the 3q13.31 microdeletion syndrome. Alternative splicing results in multiple transcript variants encoding distinct isoforms. [provided by RefSeq, Feb 2017]

Transcript Variant: This variant (1) encodes the longer isoform (1). Sequence Note: This RefSeq record was created from transcript and genomic sequence data to make the sequence consistent with the reference genome assembly. The genomic coordinates used for the transcript record were based on transcript alignments.