

Product datasheet for **SC327623**

ZBTB20 (NM_001164343) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	ZBTB20 (NM_001164343) Human Untagged Clone
Tag:	Tag Free
Symbol:	ZBTB20
Synonyms:	DPZF; HOF; ODA-8S; PRIMS; ZNF288
Mammalian Cell Selection:	None
Vector:	<u>pCMV6-XL5</u>
E. coli Selection:	Ampicillin (100 ug/mL)



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Fully Sequenced ORF: >NCBI ORF sequence for NM_001164343, the custom clone sequence may differ by one or more nucleotides

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ATGACCGAGCGCATTACAGCATCAACCTTCACAATTCCGTGCTCGAGACC
CTCAACGAGCAGCGCAACCGTGGCCACTTCTGTGACGTAACGGTGCGCATCCACGGGAGC
ATGCTGCGCGCACACCGCTGCGTGTGGCAGCCGGCAGCCCTTCTTCCAGGACAACTG
CTGCTTGGCTACAGCGACATCGAGATCCCGTCCGGTGGTGTGAGTGCAGTCAAGTGCAGAAAG
CTCATTGACTTTCATGTACAGCGGGTGTACGGGTCTCGCAGTCCGGAAGCTCTGCAGATC
CTCACGGCCGCCAGCATCCTGCAGATCAAAACAGTCATCGACGAGTGCACGCGCATCGTG
TCACAGAACGTGGGCGATGTGTTCCCGGGATCCAGGACTCGGGCCAGGACACGCCCGGG
GGCACTCCCGAGTCAGGCACGTACAGCCAGAGCAGCGACACGGAGTCGGGCTACCTGCAG
AGCCACCCACAGCACAGCGTGGACAGGATCTACTCGGCACTCTACGCGTGTCCATGCAG
AATGGCAGCGCGAGCGCTCTTTTACAGCGGCGCAGTGGTCCAGCCACCAGAGACTGCG
CTCGGCCCTGCCCCGCGACCACCATGGAAGACCCAGCTGGATCACACGCATCCATGAG
CGCTCGCAGCAGATGGAGCGCTACCTGTCCACCACCCCGAGACCACGCACTGCCGAAG
CAGCCCCGGCCTGTGCGCATCCAGACCCTAGTGGCAACATCCACATCAAGCAGGAGATG
GAGGACGATTACGACTACTACGGCAGCAAAAGGTGCAGATCCTGGAACGCAACGAATCC
GAGGAGTGCACGGAAGACACAGACCAGGCCGAGGGCACCAGAGTGCAGCCAAAGGTGAA
AGCTTCGACTCGGGCGTCAGCTCCTCCATAGGCACCGAGCCTGACTCGGTGGAGCAGCAG
TTTGGGCTGGGGCGGCGGGACAGCCAGGCTGAACCCACCCAAACCCGAGCAGGCTGCA
GAAGCCCCCGTGGGGTGGTCCGCAGACAAACAGCTAGAAACAGGTGCTTCTCTCCG
GAGAGAAGCAATGAAGTGGAGATGGACAGCACTGTTATCACTGTCAGCAACAGCTCCGAC
AAGAGCGTCTACAACAGCCTTCGGTCAACACGTCCATCGGGCAGCCATTGCCAAGTACC
CAGCTCTACTTACGCCAGACAGAAACCCCTACCAGCAACCTGAGGATGCCTCTGACCTTG
ACCAGCAACACGAGGTATTGGCACAGCTGGCAACACCTACCTGCCAGCCCTTCTCACT
ACCCAGCCCGCGGCGAGTGGCCCCAAGCCTTTCCTTTCAGCCTGCCACAGCCCTTGCA
GGCCAGCAGACCCAGTTTGTGACAGTGTCCAGCCCGGTCTGTGACCTTTACTGCACAG
CTGCCAGCGCCACAGCCCTGGCCTCATCCGCAGGCCACAGCACAGCCAGTGGGCAAGGC
GAAAAAAGCCTTATGAGTGCACCTCTGCAACAAGACTTTCACCGCCAAACAGAACTAC
GTCAAGCAGATGTTTCGTACACACAGGTGAGAAGCCCCACCAATGCAGCATCTGTTGGCGC
TCCTTCTCTTAAAGGATTACCTTATCAAGCACATGGTGCACACACAGGAGTGCAGGCA
TACCAGTGTAGTATCTGCAACAAGCGCTTACCCAGAAGAGCTCCCTCAACGTGCACATG
CGCTCCACCGGGGAGAGAAGTCTACGAGTGTACATCTGCAAAAAGAAGTTCTCTCAC
AAGACCCTCCTGGAGCGACACGTGGCCCTGCACAGTGCAGCAATGGGACCCCCCTGCA
GGCACACCCCCAGGTGCCCGCGCTGGCCCCCAGGCGTGGTGGCCTGCACGGAGGGGACC
ACTTACGTCTGCTCCGTCTGCCAGCAAAGTTTGACCAATCGAGCAGTTCAACGACCAC
ATGAGGATGCATGTGTCTGACGGA

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Restriction Sites: Please inquire

ACCN: NM_001164343

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: [NM_001164343.1](#), [NP_001157815.1](#)

RefSeq Size: 3779 bp

RefSeq ORF: 2007 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 (3) differs in the 5' UTR, lacks a portion of the 5' coding region, and initiates translation at a downstream start codon, compared to variant 1. The encoded isoform (2) has a shorter N-terminus compared to 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.