

Product datasheet for **RC228988**

ZBTB20 (NM_001164343) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	ZBTB20 (NM_001164343) Human Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	ZBTB20
Synonyms:	DPZF; HOF; ODA-8S; PRIMS; ZNF288
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



[View online »](#)

ORF Nucleotide
Sequence:

>RC228988 ORF sequence
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGGATCGCC**

ATGACCGAGCGCATTACAGCATCAACCTTCACAACCTTCAGCAATTCGGTCTCGAGACCCTCAACGAGC
AGCGCAACCGTGGCCACTTCTGTGACGTAACGGTGCGCATCCACGGGAGCATGCTGCGCGCACACCGCTG
CGTGCTGGCAGCCGGCAGCCCTTCTTCCAGGACAACTGCTGCTTGGCTACAGCGCATCGAGATCCCG
TCGGTGGTGTGAGTGCAGTCAAGGCTCATTGACTTATGTACAGCGCGGTGCTACGGGTCTCGC
AGTCGGAAGCTCTGCAGATCCTCACGGCCGCCAGCATCTGCAGATCAAAACAGTCATCGACGAGTGCAC
GCGCATCGTGTACAGAACGTGGGCGATGTGTTCCCGGGATCCAGGACTCGGGCCAGGACACGCCCGCG
GGCACTCCCGAGTCAGGCAGTCAGGCCAGAGCAGCGACCGAGTGGGGTACCTGCAGAGCCACCCAC
AGCACAGCGTGGACAGGATCTACTCGGCACTCTACGCGTCTCCATGCAGAATGGCAGCGCGGAGCGCTC
TTTTTACAGCGGCGCAGTGGTCAAGCAGGACTGCGCTCGGCTGCCCCGGCACCACACATGGAA
GACCCAGCTGGATCACACGCATCCATGAGCGCTCGCAGCAGATGGAGCGCTACCTGTCCACCACCCCG
AGACCACGCACTGCCGAAGCAGCCCGCCCTGTGCGCATCCAGACCCTAGTGGGCAACATCCACATCAA
GCAGGAGATGGAGGACGATTACGACTACTACGGGCAGCAAAGGGTGCAGATCCTGGAACGCAACGAATCC
GAGGAGTGCACGGAAGACACAGACCAGGCCGAGGGCACCAGAGTGGAGCCAAAGGTGAAAGCTTCGACT
CGGGCGTCAGCTCCTCCATAGGCACCGAGCCTGACTCGGTGGAGCAGCAGTTTGGGCTGGGGCGCGCG
GGACAGCCAGGCTGAACCCACCAACCCGAGCAGGCTGCAGAAGCCCCGCTGAGGGTGGTCCGACAGACA
AACCAGCTAGAAACAGGTGCTTCTCTCCGAGAGAAGCAATGAAGTGGAGATGGACAGCACTGTTATCA
CTGTCAGCAACAGCTCCGACAAGAGCGTCTACAACAGCCTTCGGTCAACACGTCATCGGGCAGCCATT
GCCAAGTACCCAGCTCTACTTACGCCAGACAGAAACCCTCACAGCAACCTGAGGATGCCTTGTACCTTG
ACCAGCAACACGCAAGTCAATTGGCACAGCTGGCAACACCTACCTGCCAGCCCTTCTCACTACCCAGCCCG
CGGGCAGTGGCCCAAGCCTTCTCTTTCAGCCTGCCACAGCCCTGGCAGGCCAGCAGACCCAGTTTGT
GACAGTGTTCAGCCCGTCTGTGACCTTTACTGCACAGCTGCCAGCGCCACAGCCCTGGCCTCATCC
GCAGGCCACAGCACAGCCAGTGGGCAAGGCGAAAAAAGCCTTATGAGTGCACCTCTGCAACAAGACTT
TCACCGCCAAACAGAACTACGTCAAGCACATGTTCTGACACAGGTGAGAAGCCCCACCAATGCAGCAT
CTGTTGGCGCTCCTTCTCCTAAAGGATTACCTTATCAAGCACATGGTGACACACACAGGAGTGAGGGCA
TACCAGTGTAGTATCTGCAACAAGCGCTTACCCAGAAGAGCTCCCTCAACGTGCACATGCGCCTCCACC
GGGGAGAGAAGTCTACGAGTGCTACATCTGCAAAAAGAAGTTCTCTCACAAGACCCTCCTGGAGCGACA
CGTGGCCCTGCACAGTGGCAGCAATGGGACCCCCCTGCAGGCACACCCCCAGGTGCCCGCGCTGGCCCC
CCAGGCGTGGTGGCTGCACGGAGGGGACCACTTACGTCTGCTCCGTCTGCCAGCAAAGTTTGACCAAA
TCGAGCAGTTCAACGACCACATGAGGATGCATGTGTCTGACGGA

AG**CGGACCG**ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCC
TGGATTACAAGGATGACGACGATAAGGTTTAA

Protein Sequence: >RC228988 protein sequence
Red=Cloning site Green=Tags(s)

```

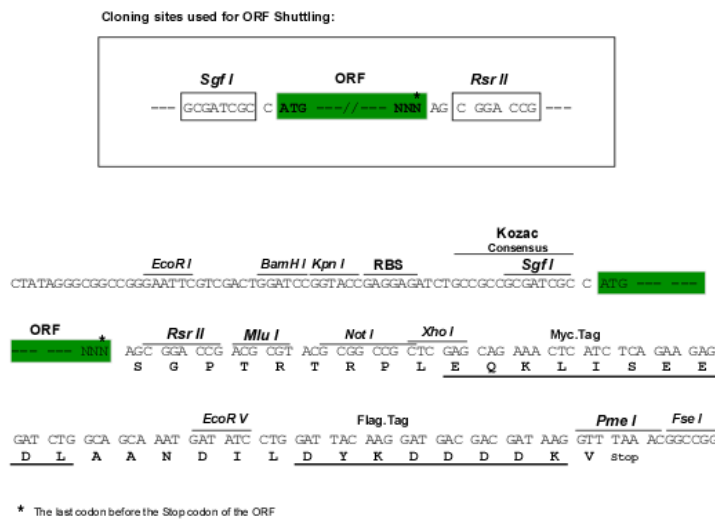
MTERIHSINLHNFNSVLETLNEQRNRGHFCDVTVRIHGSMLRAHRCVLAAGSPFFQDKLLLGYSIDIEIP
SVVSVQSVQKLIDFMYSGLRVLSQSEALQILTAASILQIKTVIDECTRIVSQNVGDVFPGIQDSGQDTPR
GTPESGTSQGSSDTESGYLQSHPQHSVDRIYSALYACSMQNGSGERSFYSGAVVSHHETLGLPRDHME
DPSWITRIHERSQMERYLSTTPETTHCRKQPRPVRIQTLVGNIIHKQEMEDDYDYGGQQRVQILERNES
EECTEDTDQAEGTESEPKGESFDSGVSSSIGTEPDSVEQQFGPGAARDSQAEPQPEQAAEAPAEGGPQT
NQLETGASSPERSNEVEMDSTVITVSNSSDKSVLQQPSVNTSIGQPLPSTQLYLRTETLTSNLRMPLTL
TSNTQVIGTAGNTYLPALFTTQPAGSGPKPFLFSLPQPLAGQQTQFVTVFQPLSTFTAQLPAPQPLASS
AGHSTASGQGEKPYECTLCNKTFATAQNYVKHMFVHTGEKPHQCSICWRSFSLKDYLIKHMVHTGVRA
YQCSICNKRFTQKSSLNVHMRLHRGEKSYECYICKKKFHKTLERHVALHSASNGTPPAGTPPPGARAGP
PGVVACTEGTTYVCSVCPAKFDQIEQFNDHMRMHVSDG
    
```

SGPTRTRPLEQKLI SEEDLAANDILDYKDDDDKV

Chromatograms: https://cdn.origene.com/chromatograms/mk6623_f07.zip

Restriction Sites: SgfI-RsrII

Cloning Scheme:



ACCN: NM_001164343

ORF Size: 2004 bp

OTI Disclaimer: 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 clone was engineered to express the complete ORF with an expression tag. Expression varies depending on the nature of the gene.

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_001164343.2](#)

RefSeq Size: 27373 bp

RefSeq ORF: 2007 bp

Locus ID: 26137

UniProt ID: [Q9HC78](#)

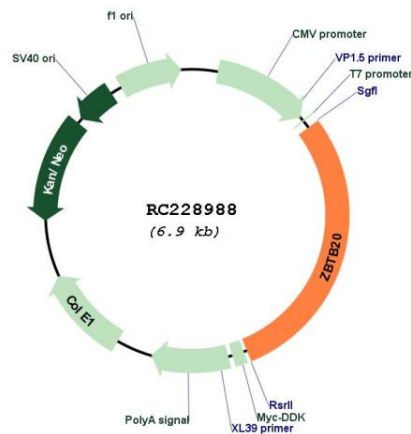
Cytogenetics: 3q13.31

Protein Families: Transcription Factors

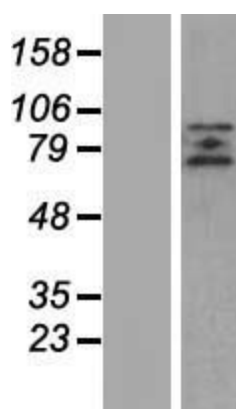
MW: 73.5 kDa

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]

Product images:



Circular map for RC228988



Western blot validation of overexpression lysate (Cat# [LY432019]) using anti-DDK antibody (Cat# [TA50011-100]). Left: Cell lysates from untransfected HEK293T cells; Right: Cell lysates from HEK293T cells transfected with [RC228992] using transfection reagent MegaTran 2.0 (Cat# [TT210002]).