

Product datasheet for RC228992L3

OriGene Technologies, Inc.

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ZBTB20 (NM_001164347) Human Tagged Lenti ORF Clone

Product data:

Product Type: Expression Plasmids

Product Name: ZBTB20 (NM 001164347) Human Tagged Lenti ORF Clone

Tag: Myc-DDK
Symbol: ZBTB20

Synonyms: DPZF; HOF; ODA-8S; PRIMS; ZNF288

Mammalian Cell Puromycin

Selection:

Vector: pLenti-C-Myc-DDK-P2A-Puro (PS100092)

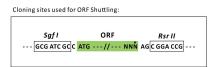
E. coli Selection: Chloramphenicol (34 ug/mL)

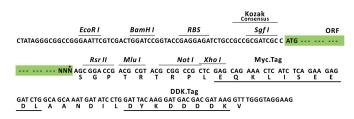
ORF Nucleotide The ORF insert of this clone is exactly the same as(RC228992).

Sequence:

Restriction Sites: Sgfl-Rsrll

Cloning Scheme:





^{*} The last codon before the Stop codon of the ORF.

ACCN: NM_001164347

ORF Size: 2004 bp





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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: <u>NM 001164347.1</u>

 RefSeq Size:
 26952 bp

 RefSeq ORF:
 2007 bp

 Locus ID:
 26137

 UniProt ID:
 Q9HC78

Protein Families: Transcription Factors

3q13.31

MW: 73.5 kDa

Cytogenetics:

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-bindng 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]