

Product datasheet for **SC302124**

Plzf (ZBTB16) (NM_001018011) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Plzf (ZBTB16) (NM_001018011) Human Untagged Clone
Tag:	Tag Free
Symbol:	ZBTB16
Synonyms:	PLZF; ZNF145
Mammalian Cell Selection:	None
Vector:	<u>pCMV6-XL4</u>
E. coli Selection:	Ampicillin (100 ug/mL)



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Fully Sequenced ORF: >NCBI ORF sequence for NM_001018011, the custom clone sequence may differ by one or more nucleotides

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ATGGATCTGACAAAAATGGGCATGATCCAGCTGCAGAACCCCTAGCCACCCACGGGGCTACTGTGCAAGG
CCAACCAGATGCGGCTGGCCGGGACTTTGTGCGATGTGGTCATCATGGTGGACAGCCAGGAGTTCCACGC
CCACCCGGACGGTGTGGCTGCACCAGCAAGATGTTTGAGATCCTCTCCACCGCAATAGTCAACACTAT
ACTTTGGACTTCCCTCTCGCCAAAGACCTTCCAGCAGATTCTGGAGTATGCATATACAGCCACGCTGCAAG
CCAAGGCGGAGGACCTGGATGACCTGCTGTATGCGGCCGAGATCCTGGAGATCGAGTACCTGGAGGAACA
GTGCTGAAGATGCTGGAGACCATCCAGGCCTCAGACGACAATGACACGGAGGCCACCATGGCCGATGGC
GGGGCCGAGGAAGAAGAGGACCGCAAGGCTCGGTACCTCAAGAACATCTTCATCTCGAAGCATTCCACGG
AGGAGAGTGGGTATGCCAGTGTGGCTGGACAGAGCCTCCCTGGGCCCATGGTGGACCAGAGCCCTTCACT
CTCCACTTCATTTGGTCTTTCAGCCATGAGTCCCACCAAGGCTGCAGTGGACAGTTTGTGACCATAGGA
CAGTCTCTCTGCAGGAACTCTTCAGCCACTGCAGGGCCGAGGAGCCAACTCTGGCTGGGGTGGGC
GGCACCTGGGGTGGCTGAGGTGAAGACGGAGATGATGCAGGTGGATGAGGTGCCAGCCAGGACAGCCC
TGGGGCAGCCGAGTCCAGCATCTCAGGAGGGATGGGGGACAAGGTTGAGGAAAGAGGCCAAAGAGGGGCT
GGGACCCCGACTCGAAGCAGCGTCATCACCAGTGTAGGGAGCTACACTATGGGGCAGAGGAGAGTGCCG
AGCAGGTGCCACCCCGACTGAGGCTGGCCAGGCCCCCACTGGCCGACCTGAGCACCAGCACCACCCCGCC
TGAGAAGCATCTGGGCATCTACTCCGTGTTGCCAACCACAAGGCTGACGCTGTATTGAGCATGCCGTCT
TCCGTGACCTCTGGCCTCCACGTGCAGCCTGCCCTGGCTGTCTCCATGGACTTCAGCACCTATGGGGGGC
TGCTGCCCCAGGGCTTCCAGAGGGAGCTGTTCAAGAGCTGGGGGAGCTGGCTGTGGGCATGAAGTC
AGAGACCCGACCATCGGAGAGCAGTGCAGCGTGTGTGGGTGCGAGCTTCCCTGATAACGAGGCTGTGGAG
CAGCACAGGAAGCTGCACAGTGGGATGAAGACGTACGGGTGCGAGCTCTGCGGGAAGCGGTTCTGGATA
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TGCACAGTTTTCAAGGAGGATGCCCTGGAGACACACAGGCAGACCCATACTGGCACTGACATGGCCGTC
TTCTGTCTGTGTGGGAAGCGCTTCCAGGCGCAGAGCGCACTGCAGCAGCACATGGAGGTCCACGCGG
GCGTGCGCAGCTACATCTGCAGTGTGCAACCGCACCTTCCCCAGCCACAGGCTCTCAAACGCCACCT
GCGCTCACATACAGGCGACCACCCTACGAGTGTGAGTTCTGTGGCAGCTGCTTCCGGGATGAGAGCACA
CTCAAGAGCCACAACCGCATCCACACGGGTGAGAAACCCTACGAGTGAATGGCTGTGGCAAGAAGTTCA
GCCTCAAGCATCAGCTGGAGACGCACTATAGGGTGCACACAGGTGAGAAGCCCTTTGAGTGAAGCTCTG
CCACCAGCGCTCCCGGACTACTCGCCATGATCAAGCACCTGAGAACGCACAACGGCGCCTCGCCCTAC
CAGTGCACCATCTGCACAGAGTACTGCCCCAGCCTCTCCTCCATGCAGAAGCACATGAAGGGCCACAAGC
CCGAGGAGATCCCGCCCGACTGGAGGATAGAGAAGACGTACCTCTACCTGTGCTATGTGTGA
    
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- Restriction Sites:** NotI-NotI
- ACCN:** NM_001018011
- Insert Size:** 2300 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:** The open reading frame of this clone has been fully sequenced and found to be a perfect match to the protein associated with this reference, NM_001018011.1.
- 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:	<ol style="list-style-type: none">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_001018011.1, NP_001018011.1</u>
RefSeq Size:	2262 bp
RefSeq ORF:	2022 bp
Locus ID:	7704
UniProt ID:	<u>Q05516</u>
Cytogenetics:	11q23.2
Protein Families:	Druggable Genome, Transcription Factors
Protein Pathways:	Acute myeloid leukemia, Pathways in cancer
Gene Summary:	<p>This gene is a member of the Krueppel C2H2-type zinc-finger protein family and encodes a zinc finger transcription factor that contains nine Kruppel-type zinc finger domains at the carboxyl terminus. This protein is located in the nucleus, is involved in cell cycle progression, and interacts with a histone deacetylase. Specific instances of aberrant gene rearrangement at this locus have been associated with acute promyelocytic leukemia (APL). Alternate transcriptional splice variants have been characterized. [provided by RefSeq, Jul 2008]</p> <p>Transcript Variant: This variant (2) differs in the 5' UTR compared to variant 1. Variants 1 and 2 encode the same protein.</p>