

Product datasheet for **SC114827**

ZBT24 (ZBTB24) (NM_014797) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	ZBT24 (ZBTB24) (NM_014797) Human Untagged Clone
Tag:	Tag Free
Symbol:	ZBT24
Synonyms:	BIF1; ICF2; PATZ2; ZNF450
Mammalian Cell Selection:	None
Vector:	<u>pCMV6-XL5</u>
E. coli Selection:	Ampicillin (100 ug/mL)



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Fully Sequenced ORF: >OriGene ORF within SC114827 sequence for NM_014797 edited (data generated by NextGen Sequencing)

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ATGGCAGAAACATCGCCAGAGCCTTCTGGGCAGCTTGTGTACACTCAGACGCTCACAGT
GACACTGTGCTGGCCAGTTTTGAGGATCAGAGGAAGAAAGGCTTCTCTGTGACATTACT
TTAATCGTGGAGAATGTACATTTCCGGGCCACAAAGCCTTACTTGCTGCCAGTAGTGAA
TACTTCTCAATGATGTTTGCAGAAGAGGGGAAATCGCCAATCCATTTATATGCTGGAA
GGCATGGTTGCAGACACCTTTGGTATCCTGCTGGAATTTATCTACACAGGTTATCTCCAT
GCCAGTGAGAAAAGTACAGAACAATCCTGGCTACTGCTCAGTTCTTAAAAGTCTATGAC
CTGGTAAAGGCTTACACAGACTTCCAAAATAATCATAGCTCCCCAAAGCCAACAACCTTG
AACACTGCTGGTGCCCAAGTGGTTGTTATCTCTAATAAGAAAAACGATCCTCAAAGCGG
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GAGGAAGAAATACAGTTAAGAGTGAACAATTTAGTTTCAAGATAGACAAAACCTTTGTGGT
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CCTACTTGTGAGCCAAGTAGAGAGGAGGAAATGCCAGTTGAAAAAGATGAGAACTATGAT
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TCGGTCAAACCTTAAAGATTACAACTTGTGGGGATCAAGAGGACCATGGTTCAGCCAAG
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GCCAGCAGCATTCTGGCAGTAGTAATACAGAAGAGGTCAGGAATATTCTTCAGCTACAG
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CATAACATCAATTTATGCCCGGTCCTAGCCAGGGAATCAGCATTGTGACTGCAGAGAGT
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CAACTGCAGAATTTAATTTCTTTCAGCTCAACAGGAGCAAAACAGAACACATTTCAGAGCCTC
AATATGATTGAAAGCCAGATGGGGCCCTCACAACAGAGCCAGTGCACGTGATCACTCTG
TCCAAGGAAACACTGGAACATCTTCATGCCCATCAAGAGCAAACAGAGGAGCTCCATTTA
GCTACAAGTACTTCAGATCCAGCTCAGCACCTGCAGCTGACACAGGAGCCTGGTCCGCCA
CCACCCACTCACACAGTGGCCAGCCAACGCCACTTGGCCAGGAGCAGAGCTGA
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Clone variation with respect to NM_014797.2
572 c=>t

5' Read Nucleotide Sequence:

>OriGene 5' read for NM_014797 unedited
 AGTTTTTGTATACGACTCACTATAGGGCGGCCGGAATTCGCACGAGGCTGTGGCTGTGG
 CTGCGGCGGCGGCGCAGGAGCAGAAACCGGTGCGGCGCAGAAGCCCCAGAGGCGGGCGGG
 GCGGAGCGGAGGGCCAGCGGGCCCCGGCGTGGGTCTCCCGCTAGGCCGCCGATTTAACC
 CTTAGTGGCTTCTGAAGAAAATGGCAGAAACATCGCCAGAGCCTTCTGGGCAGCTTGTTG
 TACACTCAGACGCTCACAGTGACACTGTCTGGCCAGTTTGGAGATCAGAGGAAGAAAG
 GCTTCCTCTGTGACATTACTTTAATCGTGGAGAATGTACATTTCCGGGCCACAAAGCCT
 TACTTGCTGCCAGTAGTGAATACTTCTCAATGATGTTTGCAGAAGAGGGGAAATCGGCC
 AATCCATTATATGCTGGAAGGCATGGTTGCAGACACCTTGGTATCCTGCTGGAATTTA
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 AGTTCTTAAAAGTCTATGACCTGGTAAAGGCTTACACAGACTTCCAAATAATCATAGCT
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 AGAAATCAGAACTGGCTGCAGAGGAAGAAATACAGTTAAGAGTGAACATTTTAGTTCCAG
 ATAGACCAAACTTTGTGGGTAAAGGAGACCGGGGTGTACTGTATGAGCCAATTGCAGCAA
 AAGAAAAGGAGAAATCGGAGCCTACTTGTGAGCCAAGTAGAGAGGAGGAAATGCCCTTTGA
 AAAGAGAGAACTTGATCCAGCACGAGATTGGCCGCCAGCCACATCCAN

3' Read Nucleotide Sequence:

>OriGene 3' read for NM_014797 unedited
 GGCCGCAATCTAGAGTCGAGTT
 TT
 TGCTCAATACAAATCAATCCCTTAAACAAAACATACCCCTTTTTTTTACCTGGAGGGGG
 GGCCTTTTAAACATTAGTTACCCCTCACAGTTTTCAAAAAACATTTGCAATAAATGGG
 GGGGAAAACCTTACTTCAAGCGTTAAAAATCCAGTCAAAGCTGGTTTAAAAAAGCCC
 AATCAACCCGTCAAACGTTTTTACAGGGCATTTTTTCTGCCAAATGGCTTTGGCTG
 GGCCCCCTGGTAAATGGGTGGGGCCAACCAACCTCCTGTGTCAACTGCAGGGGTGACC
 TGGATCTAAAATACTTGGAACTAAAGGGACCCCTTTTTTTCTTTTGGGGGCATAAAA
 ATTTTCCAGTGTTTCTTGGACAAAAGGATCACCCCTTGGCTTTTTTTGGGAGGGCCC
 CATCTGGCTTTAAATCATATTGAGGCTCTAAAGGGTTCTGTTTGCCCTGGTGAAGTGA
 AAAAAAATTTTGAATTGCTTTGGCTTCTGCGTAACCAGGGTAAAAATAACCCCTGG
 CCTGCAGTCATTTTTTGGGAACCTTTTTGAAAACCAATGCTGATCCCTGGTTAGGACCC
 GGCTATAAATTGATGTTTGTACACAATCGGTTACAAAAACCTATATTCCTGCCTTCCCC
 AGTAAAAAGTTGATATGGCTTGACCTAAAAAATTTCCCGCCCTTTGTGATTACACCTGC
 AAAATGCGGTGGCATCTGAACTCTTCTTGTGCTAGAAATTTAAAGAGACCTCAGGTGCT
 AACCAACCACTGTAATACCTCTAGGCAGGAAAAGCTTTTGCCNTGGTAAAGCAGGTCT
 CCTTTGGCCTGGAACAAG

Restriction Sites:

NotI-NotI

ACCN:

NM_014797

Insert Size:

2680 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).

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_014797.1, NP_055612.1</u>
RefSeq Size:	5597 bp
RefSeq ORF:	2094 bp
Locus ID:	9841
UniProt ID:	<u>O43167</u>
Cytogenetics:	6q21
Domains:	BTB, AT_hook, zf-C2H2
Protein Families:	Transcription Factors
Gene Summary:	This gene encodes a protein similar to a protein in rodents which is induced by bone morphogenic protein 2 in vitro. [provided by RefSeq, Aug 2011] Transcript Variant: This variant (1) represents the longer transcript and encodes the longer isoform (1).