

Product datasheet for **SC318544**

ZBTB38 (NM_001080412) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	ZBTB38 (NM_001080412) Human Untagged Clone
Tag:	Tag Free
Symbol:	ZBTB38
Synonyms:	CIBZ; PPP1R171; ZNF921
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Fully Sequenced ORF:	>SC318544 representing NM_001080412. Blue=Insert sequence Red=Cloning site Green=Tag(s)

GCTCGTTTAGTGAACCGTCAGAATTTTGAATACGACTCACTATAGGGCGGCCGGGAATTCGTCTGACTG
 GATCCGGTACCGAGGAGATCTGCCGCC**CGCATCGCC**
 ATGACAGTCATGTCCTTTCCAGGGACCTCAAGGACGACTTTCACAGTGACACGGTACTCTCCATCTTA
 AATGAGCAGCGCATTGGGGCATTTTATGCGATGTCACATCATTGTGGAAGATACCAAATTTAAAGCC
 CATAGCAATGTTCTGGCAGCTTCAAGCCTGTATTTAAAAATATCTTTGGAGCCATACAATCTGTATT
 TCCAGCCACGTCCTGGAGCTGGACGATCTCAAAGCTGAAGTGTTTACTGAAATACTTAATTATATCTAC
 AGTTCACAGTCGTTGTCAAGAGACAGGAAACAGTCAGTATCTCGCAGCTGCAGGAAAAAGCTGGGA
 ATATCGTTCTTGAAGACCTTACTGATCGCAACTTCTCAAATCCCCGGGTCCTATGTATTCTGTATT
 ACTGAAAAGGGAGTGGTTAAAGAAGAAAAAATGAAAAAGGCATGAAGAACCAGCCATCACTAATGGG
 CCAAGGATCACAATGCATTTTCCATCATCGAAACAGAAAATAGTAATAACATGTTTTCCCCGCTGGAC
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 GTCTGCCACGAGGCAGAGCCTGTCCGCACACTTGCCGAGCACTCATACGCTGTTTCTTCCGTAGCTGAA
 GCTTACAGAAATCAGCCTGTACGTGAACATGATGGCAGTTCACCTGGTAACACAGGGAAGAAAATTGT
 GAAGCCCTTGACGGAACCGAAACATGCCGGAAGCCAAAGACATTCTCCATACCACAGGATTCGGAT
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 CCAGTGCTGTTCTCACTCGTTCAAAATCTCAAACAATGAAGGAGATGTCCATTTTCCAGGGAAGAT
 GAAAATCAATCTTCTGATGTTCCCGGGCCGACCGCAGAGGTTCCACCTCTGGTGTACAATTGTAGC
 TGCTGTTCCAAAGCCTTTGACAGCAGCACTCTGCTCAGTGCCACATGCAGCTTCACAAGCCAACCCAG
 GAGCCTTTAGTGTGCAAGTATTGCAACAAACAATTCAACCCCTGAACAGGTTGGATCGGCATGAACAG
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 ATTGGACAAAATGGAGGTTCAATTCACAGGTCCAGAACCTTTATTATCTGAAAATAGGATTGGTGAATTT
 TCCAGTACCGGAAGTACTTTGCCAGACACGACCATGGTTAAATTTGTTAATGGGCAATGCTCTAC
 AGTTGCGTTGTGTCAAACGTAGTTATGTGACCTTATCTAGCCTCCGAAGACATGCAATGTTCACTCC
 TGGAGAAGAACATATCCTTGCCATTACTGCAACAAAGTATTTGCATTGGCTGAGTACAGGACAAGGCAT


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GAAATTTGGCATACGGGAGAAAGACGATATCAGTGCATTTTCTGTCTTGAACTTTCATGACCTACTAT
 ATACTCAAAAATCATCAGAACTTTCCATGCCATCGATCATAGACTTTCCATCAGTAAAAAACAGCA
 AATGGAGGCTTGAAGCCTAGTGTCTATCCGTATAAACTTTATAGGCTACTGCCTATGAAATGCAAGAGA
 GCCCCTTATAAGAGCTACCGAAATCTTCTATGAAAATGCACGAGAAAAACAGTCAATGAATGAGTCT
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 GTAAACACCCTGACCAACAGTCCAGCCATCCCATTGGAACATCTGCATGTCAGGACATACCCACTTCT
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 GTACCTGTTTTATCTTTGAGTAATAGCAGTGAGAATGCCGCTCTGTGATCAGCTACAGTGGCTCTGCA
 CCCTCGGTCAATTGTACACAGCAGCCAGTTTTCATCGGTGATCATGCACAGCAATGCCATTGCTGCCATG
 ACCAGCAGCAACCAAGAGCCTTTTTCAGACCCAGCTGTGAGTCCCTGAAAGATGACAGTAAGCCC
 GAGCCAGATAAAGTGGTAGGTTTGCAAGCAGACCCAAAAGCATTAAAGGAGAAAAAGAACTACATCA
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 ACAAATATTGCTGAAGAAACCAGCAAAATTGAAACCTACATTGCAAAACCTGCTCTGCCGGGAACCTCC
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 TTGCCACAGGGGAATGACCCAGAACCCAGTGGAGACAGCCCACTCGGGCTTTGCCAATCCGAGTGCATG
 GAGATGAGTGAAGTTCGATGACGCAAGTGACCAGGATTCCACTGACAAACCGTGGCGCCCTTACTAC
 AACTACAAACCCAAAAAGAAATCCAGACAGTTGAAAAAATGAGGAAAGTCAACTGGAGGAAGGAGCAC
 GGAAACAGGAGCCCGAGCCATAAATGTAATACCCAGCAGAACTGGATTGCGCCGTGGGGAAGGCTCCT
 CAGGATAAACCCTTTGAGGAAGAAGAACTAAAGAGATGCCAAGCTGCAGTGTGAACTCTGTGATGGA
 GACAAAGCAGTGGGGCTGGAACCAAGGAAGGCCCAACGACATCTTACTTCTCGGCCATATGCCTGC
 GAGCTCTGCGCCAAGCAGTTCCAGAGCCCTTCCACACTCAAAATGCACATGAGATGTACACCCGGGGAG
 AAGCCATACCAAGTCAAGACCTGCGGACGGTGTCTTTCGGTGCAAGGAACTTACAGAAACATGAACGC
 ATCCACCTGGGCTTGAAGGAGTTCGTCTGTGAGTATTGCAACAAGGCATTACCTTGAATGAGACCTC
 AAAATCCATGAAAGAATCCATACTGGAGAAAAGCGTTACCACTGTGAGTCTGCTTTTCAAGATTTTTG
 TATCTCTCCACAAAAGGAATCACGAGCAGAGGCATATTCGGGAGCATAATGGGAAGGGCTATGCCTGC
 TTCCAGTGCCCAAAATTTGCAAAACAGCTGCTGCCCTTGAATGCACCAAAAGAAACACTTATTCAA
 AGCCCAAGTCAGCAGGAGAAAAATAGGTGACGTGTGCCACGAAACTCAATCCCTGGAGAATCAACAT
 TTCATTGGTTTCAAGACAATGACCAAAAGGATAACATACAAACCGGTGTGGAATGTTGCTCTGA

ACGCGTACGCGGCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCCTGGAT
 TACAAGGATGACGACGATAAGGTTTAAACGGCCGGC

Restriction Sites:	SgfI-MluI
ACCN:	NM_001080412
Insert Size:	3588 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:	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_001080412.2

RefSeq Size: 8398 bp

RefSeq ORF: 3588 bp

Locus ID: 253461

UniProt ID: Q8NAP3

Cytogenetics: 3q23

MW: 134.3 kDa

Gene Summary: The protein encoded by this gene is a zinc finger transcriptional activator that binds methylated DNA. The encoded protein can form homodimers or heterodimers through the zinc finger domains. In mouse, inhibition of this protein has been associated with apoptosis in some cell types. [provided by RefSeq, Jun 2010]
 Transcript Variant: This variant (1) represents the longest transcript. Variants 1, 2 and 3 encode the same protein.