

Product datasheet for **SC116744**

ZBTB22 (NM_005453) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	ZBTB22 (NM_005453) Human Untagged Clone
Tag:	Tag Free
Symbol:	ZBTB22
Synonyms:	BING1; fru; fruitless; ZBTB22A; ZNF297; ZNF297A
Mammalian Cell Selection:	None
Vector:	<u>pCMV6-XL5</u>
E. coli Selection:	Ampicillin (100 ug/mL)



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Fully Sequenced ORF: >NCBI ORF sequence for NM_005453, the custom clone sequence may differ by one or more nucleotides

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ATGGAGCCATCTCCTCTGTCTCCCAGTGGGGCAGCACTCCCCTGCCGCTGTCGCTGGCTCCGCCCCAC
TACCCCTGCCAGCAGCTGCAGTGGTACATGTGCCTTCCCTGAGGTGACCAGTGCCCTCTGGAGTCCCT
CAATCAGCAGCGTCTGCAGGGCCAGCTCTGCGATGTATCTATCAGAGTGCAGGGCCGGGAGTTCCGGGCT
CATCGGGCTGTCTGGCTGCCTCCTCCCCTTACTTCCATGATCAGGTCTACTCAAAGGCATGACCTCCA
TCTCGCTGCCAGTGTATGGACCCAGGCGCCTTTGAGACTGTCTAGCCTCCGCTTACACTGGCCGCT
CAGCATGGCTGCTGCTGACATTGTCAACTTCCTTACAGTGGGTCTGTGCTCCAAATGTGGCACATTGTG
GACAAGTGCAGTGAAGTACTCCGAGAAGGCCGGGCTCAGCTACCACCACCATCACTACTGCTGCAGCCA
CCTCTGCTACTGTCCCTGGTGTGGGTGCCATCCGGGAGTGGGGCAGTGTGGCCCTGCTACCATGGG
CTCTGCGCGCTCCATGCCTCCAGCCGGGCCAGTGAAGTCAATCTCCAGCAGCAGCAACTACTTCAGC
CCCAGGGAGTCCACTGATTTCTCATCTTCTCCCAAGAGGCATTTGCAGTCTTGCAGTGGGCAGTGGG
AGCGTCGAGGAGTGGCCCTGTATCCAGCCCTGTGTTGGCAGTGGAGGGGGCCACATCTGAAAAGCT
GCTGCTGGAGGCAGATGAGCTGTGCGATGATGGTGGGATGGGAGGGGGCAGTGGTTCTGGGGCTGGG
CTCCGGAGACCCACCTACACACCCCTAGCATCATGCCACAGAAACACTGGGTATACGTGAAGCGAGGTG
GTAAATGCCAGCGCAACACCCCTGGTCCCCAAGACCCAGATCTGGAGGAGGAAGAGGAGGAGGAAGA
TCTGGTGTGACCTGTGAGGATGATGAAGATGAAGAACTAGGGGGTAGCTCCAGGGTTCAGTGGGGGA
GGGCCTGAGGCTACCTCAGCATAAGTGATGTCCGTACCCTGAGTGAAGCCAGACAAGGGGGAGGAGC
AGGTCAACTTCTGTGAGTCTCCAATGACTTTGGCCATATGAGGGTGGGGTCTGTGGCAGTCTTGA
TGACTCAGGGGGCAACTCCCTCTTCTATGCCCTCCACCCCTCTCGACCGCTCCTCCCTGGAC
ATGCAGGGCAACCAGATCCTGGTCTTCCGTGTCGTCTTATCCTCATCCTCACAGGCTCCTGGCCAAC
CACCAGGGAACCAAGCAGAACACGGGGCAGTGACCGTGGGGGGCACGTGGTGGGAGCCTGGGTGTGCC
GGGTAGCGTTGGTGGGTCCCTGGAGGGACTGGCAGTGGGGACGGGAATAAGATCTTCTGTGCCATTGT
GGGAAGGCCTTCTCCACAAGAGCATGCGGGACCGGCACGTGAACATGCACCTCAATCTGCGGCCGTTTG
ACTGCCCCGTGTGCAACAAAAGTTCAAGATGAAGCACCATCTGACTGAGCAGATGAAGACGCACACAGG
TCTCAAGCCCTACGAGTGCAGGCTGCGCCAAGAAGTTCATGTGGCGAGACAGTTCATGCGCCACCGA
GGACACTGTGAGCGCCGGCACCGCTGGGCGGGTGGGGCCGTACCTGGGCCTGGGACTCCACGGGGC
CATCTTGCCGTCAAGAGAGAGTCTCCCGGAGTGGGCGGGGGCAGCGGGCAGCAAGCGAGTGGGCCAC
GCCCCGTCCAGCAGACGTGTCTGGTCCCACCCAGAGTCCACAAGGTGGAGATGGGCTTCGGTGGAGGT
GGAGGAGCAAACCTGA
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5' Read Nucleotide Sequence:

>OriGene 5' read for NM_005453 unedited
 GTATACGACNACTATAGGGCGGCCGCGATTTCGGCACGAGGAAGGAGCTAGGAAGAGGGCG
 ATTAGATCCCACCAACCAGCTAATGGTCACAGCTCAGAGGCGGAGCCTGGGGAACGATAC
 CTGGACCCATCGCCAATGGGAAAAGGCAGGCTTATAGCTTTAAAGGGGAATAAATGCTTC
 GGCCGAACCAAGTCTGAGCTCCCAGCGGAGGAGGGACCTGATCTTTTAAAGAGACCCCG
 CCGGCCGCCCTCCTCTTTCTTTGTTCTGTGGCTGGGGGGTATCCCTCCCTCCACAA
 CATGGAGCCACTCCTCTGTCTCCAGTGGGGCAGCACTCCCTGCCCGTGTGCTGGC
 TCCGCCCCCACTACCCCTGCCAGCAGCTGCAGTGGTACATGTGTCTTCCCTGAGGTGAC
 CAGTGCCTCTTGGAGTCCCTCAATCAGCAGCGTCTGCAGGGCCAGCTCTGCGATGTATC
 TATCAGAGTGCAGGGCCGGGAGTTCGGGCTCATCGGGCTGTCTGGCTGCCTCCTCCCC
 TTACTTCCATGATCAGGTCTACTCAAAGGCATGACCTCCATCTCGTGCCCAAGTGCAT
 GGACCCAGGCGCCTTTGAGACTGTCTAGCCTCCGCTTACTGCGCCCTCAGCATGGC
 TGCTGCTGACATTGTCAACTTCTTACAATGGGGGTCTGTGCTCAAATGTGGCACATTN
 GTGGACAAGTGCCTGAAGTACTNCGAGAAAGGGCCGGGGCTCAGCTACCACCACCATC
 ACTACTGCTGCACCACCTCTGTACTGTCTTGGNNTNNGGGTGTCCNNNNANANNGGG
 GGGGGCCCTTTGGGCCCTGTACATGGGGCTTTTGGCGCTCCATGCCTCAGCCGGGC
 CAAGTGAGAATCAATCTTACAGCAGCACTACTGCNCCCCGGGAGGCCACTGATTTTCA
 TCTCTCCAGAGCATTCACTCTATTGGGCCNGGGAGGCCCNNGAGGGGAGGCCCTTTC
 T

3' Read Nucleotide Sequence:

>OriGene 3' read for NM_005453 unedited
 ACTTCCAGGGCCGAAAAGCACTGGGGAGGGGTACAGGGATGCCACCCGGGATCTGTTC
 AGGAAACAGCTATGACCCGCGCCCAATCTAGAGTCGAGTTTTTTTTTTTTTTTTTTTTT
 TTAATGACCAATAAATATTTTAACTCACTGTTAAAAAATAAAAAACCTGTACTCCTAC
 GACTTACTCCCTCCTGTCTCCACCCACTCCTCCATGAGAACCGAGTTGGGAATTTCCAC
 GGGAAAGTCGGGGGTGGCGGGGAGAGACAGGGTAAAAATAAAGAGCGCATCCTTGAGAGGG
 GGTAGGTTCTAGGACAAGGGTGGGGCTCAAAGGCCTTGTCTCCACGACAACAACAACA
 GACTTCAGGCACAGACTACAACCACCTGACCCCTGACCTGTGACTGCAGGATGTTCAAC
 ACGCCCTCCTCCTCCATGTGCAATCTACTCTGTGGAGCAGGGGTTTCAAGTGTAGTA
 CCATCAGAGGGAAGGAAGGGTTTGTGTTCTGAAATACCTTGGGGGGAGGGGTTGAGTA
 GTAAAATGGGCGGGTGGTGGTAAACTTGGTGGTTCCCTTCCAGATATATACAAGTCCA
 CAGAGATAAAGGAAGCAGTAAGTGTGGTGGGAAGACACCCCGGGGCCACAGCGCCTTG
 CATCGTCTCCTTATTCCTTTCCCGAAAGCTACCCACCCAGTAGCCTGCCCTTNC
 GTTTGCTCCTCCACCTCCACCGAACCATCTCANCTTTGTGACTTTTGGGNGGGGGACC
 ANACAGTCTGCTGGACGGAAGGATGCCCCNTGGGGAGTCCAGNCCACAGTACGGCCCCG
 ACCGCCAAGGGGGCCGCGCTTAAGGTGCTTGGGGGCCATGAAACCTGTTCCGCCA
 TGAAGTCTTGGCGGACTCGACTTAAAGGCTTGAACCCGTGGGGCTTTATGGGTAACC
 AAAGGGGCTCACTTGAACTTTTGTGACCCGGGCATCACGGCAA

Restriction Sites:

ECoRI-NOT

ACCN:

NM_005453

Insert Size:

2870 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:	<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:	NM_005453.3 , NP_005444.3
RefSeq Size:	2647 bp
RefSeq ORF:	1905 bp
Locus ID:	9278
UniProt ID:	O15209
Cytogenetics:	6p21.32
Domains:	BTB, zf-C2H2
Protein Families:	Transcription Factors
Gene Summary:	May be involved in transcriptional regulation.[UniProtKB/Swiss-Prot Function] Transcript Variant: This variant (1) represents the longer transcript. Both variants 1 and 2 encode the same protein.