

Product datasheet for **MC220938**

Zbtb24 (NM_153398) Mouse Untagged Clone

Product data:

Product Type:	Expression Plasmids
Tag:	Tag Free
Symbol:	Zbtb24
Synonyms:	BC055367; Bif1; Bsg1; ZNF45; ZNF450
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



Fully Sequenced ORF:

>MC220938 representing NM_153398
Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCCGCGATCGCC

ATGGCAGACACAACCCCGAGCCTTGTGGCAGCTTATGGTACACTCAGACACTCACAGTGACACTGTGC
TGCCAGTCTGGAGGATCAAAGGAAGAAGGGCTTCTTTGTGATATTACTTTAATCGTGGAGAATGTGCA
TTTCCGAGCCCATAAAGCCTTGCTGGCCGCCAGTAGCGAGTATTTCTCAATGATGTTTGGGAAGAGGGC
GAGATTGGCCAGTCTATCTACATGCTGGAAGGCATGGTTGCAGACACCTTTGGCATCTGCTGGAATTTA
TCTATACAGGTTATCTACATGCCAGTGAGAAAACGACAGAGCAGATCCTGGCTACTGCTCAGTTCTTAA
AGTCTATGACCTGGTAAAGGCATACGCAGACTTCCAGGATAACCATAGCGCCCCAAAGCCACGACTTTG
AACTGCACTGGGACGCCAGTGGTGGTTATTTCCAATAAGAAGAACGATCCTCTGAAACGAAAACGGGAA
GACCAAGAAAAGCCAATGGTTTGCAGGAAGGGAGATCAGAACTGGTGCAGAGGGAGAGCTGCAGCTGAG
AGTGAACAATTCAGTTCAGAAAGACAAAACCTTTGTGTTTAAAGAAGAAGACAGTGTCAAGCTGAGTGA
CAGACTCCAGAAGACAAGGAATCAGAGCCTGCTGGTGAAGCAAGGAGCTGGAGGAGGTGCCTGCTGAAA
AGGACGAGAACTTTGACCCCAAGGCTGGGGATGGACAGGAGAGCCAGAGTAGGTGCAGCAGGCGGAGAAT
CCGCAGGTCTGTCAAGCTCAAAGACTACAAGCTTCTTGGAGATGAAGATGACCAAGACTACTGCCAAGAGG
CTATGTGGAAGAAAAAGCGCTCCAGCGGTCCCGAGGCCCGGTGTAAGACTGCGACAGAGTCTTTAAAT
ATAGTCACTTCTTAGCAATCCACAGAGACGCCACACGGGGGAACGACCTTCAAATGTAATGAGTGTGG
GAAGGGCTTTGCTCAGAAGCACTCCTTGCAGGTCCATACCAGGATGCACACGGGGGAGCGGCCATACACC
TGCACCGTGTGCGCAAGGCGCTGACCACCAAGCACTCCCTGCTGGAGCACATGAGCCTGCACTCAGGAC
AGAAGTCTTTTACCTGTGATCAGTGTGAAAATATTTAGCCAGAAAAGACAGCTAAAGAGCCATTATCG
TGTCATACAGGCCACTCACTACCAGAATGCAGCCACTGCCACCGAAAGTTTATGGACGTGTCCAGCTG
AAGAAGCACCTGCGGACACACAGGCGAGAAGCCATTTACTTGTGAAATCTGTGGGAAATCTTTACAG
CAAAGAGCTCCCTTCAGACCCACATCAGGATCCACCGAGGAGAAAAGCCATCTCCTGCAGCATCTGTGG
CAATGCTTCTCTGACTCCAGTGCCAAGAGGAGACACTGCATCCTGCATACGGGCAAGAAGCCCTTCTCC
TGCCCCGAGTGTGGCTTACAGTTCGCTCGCCTAGACAATTTGAAGGCACACTTGAAAAATCCACAGCAAAG
AGAAGCACACGGCAGACTCCAGCAGTGTCTTCTGGCAGTAATGTGGACGAGGGCAGGAACATTTCTCAGCT
GCAACCATACCAGTCTCCACGTGGGAGAGCAGGAGATTCAGCTTCTTGTACCGACTCTGTGCATAAC
ATTAATTCATGCCAGTCCCAGCCAGGGGTGAGCATCGTGGCTGCCGAGAGCCCCAGAGCATGGCCA
CAGACCCGGCTGCCAATCACCCTGCTCACACAGCAGCCTGAGCAGCTGCAGGGCCTGATCCTTTCCGC
TCAGCAGGAGCAGGACAGCATTAGAGCCTCAGTGTGATTGGAGGCCAGATGGAGTCTCTCCAGACT
GAGCCAGTGCATGTATCACTTTCCAAGGAAACGCTGGAGCATCTCCACGCCACCAGGAGCAAAACAA
CCAGCTCAGTACCTGCAGTGACACAGGAGCCGAGCCACCCCTGTCCCTCCACTAGGCCAGGAGCAGA
GCTGACCCAAAGCGCTCTGGCCGTTCAGTACACCTTCCCTGGAGCAACAGTGGCAGGGTGGCCTTTT
GGGCCATCATCTTACAGATCCTTAAAGATGTGA

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCTGGATT
ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites:

SgfI-MluI

ACCN:

NM_153398

Insert Size:

2133 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.
Note:	Plasmids are not sterile. For experiments where strict sterility is required, filtration with 0.22um filter is required.
RefSeq:	<u>NM_153398.3, NP_700447.2</u>
RefSeq Size:	2877 bp
RefSeq ORF:	2133 bp
Locus ID:	268294
UniProt ID:	<u>Q80X44</u>
Cytogenetics:	10 B1
Gene Summary:	This gene encodes a protein containing eight C2H2-type zinc fingers and a BTB domain. Expression of this gene is induced by bone morphogenetic protein-2 signaling. Mutation of the related gene in humans causes immunodeficiency-centromeric instability-facial anomalies syndrome-2. Alternative splicing results in multiple transcript variants. [provided by RefSeq, Mar 2013] Transcript Variant: This variant (1) represents the longest transcript and encodes the longest isoform (1).