

Product datasheet for **MG210052**

Zbtb24 (BC055367) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Zbtb24 (BC055367) Mouse Tagged ORF Clone
Tag:	TurboGFP
Symbol:	Zbtb24
Synonyms:	Bif1, Bsg1, ZNF450
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)



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**ORF Nucleotide
Sequence:**

>MG210052 representing BC055367
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGATCGC**

ATGGCAGACACAACCCCGGAGCCTTGTGGGCAGCTTATGGTACACTCAGACACTCACAGTGACACTGTGC
 TGGCCAGTCTGGAGGATCAAAGGAAGAAGGGCTTTCTTTGTGATATTACTTTAATCGTGGAGAATGTGCA
 TTTCCGAGCCCATAAAGCCTTGCTGGCCGCCAGTAGCGAGTATTTCTCAATGATGTTTGCGGAAGAGGGC
 GAGATTGGCCAGTCTATCTACATGCTGGAAGGCATGGTTGCAGACACCTTTGGCATCCTGCTGGAATTTA
 TCTATACAGGTTATCTACATGCCAGTGAGAAAACGACAGAGCAGATCCTGGCTACTGCTCAGTTCTTAAA
 AGTCTATGACCTGGTAAAGGCATACGCAGACTTCCAGGATAACCATAGCGCCCCAAAGCCACCAGCTTTG
 AACTGCACTGGGACGCCAGTGGTGGTTATTTCCAATAAGAAGAAGACATCTCTGAAACGGAACGGGGAA
 GACCAAGAAAAGCCAATGGTTTGCAGGAAGGGAGATCAGAACTGGCTGCAGAGGGAGAGCTGCAGCTGAG
 AGTGAACAATTCAGTTCAGAATAGACAAAACCTTTGTGTTTAAAGAAGAAGACAGTGTCAAGCTGAGTGAG
 CAGACTCCAGAAGACAAGGAATCAGAGCCTGCTGGTGAGCCAGGAAGCGTGGAGGAGGTGCCTGTGAAA
 AGGACGAGAACTTTGACCCCAAGGCTGGGGATGGACAGGAGAGCCAGAGTAGGTGCAGCAGGCGGAGAAT
 CCGCAGGTCTGTCAAGCTCAAAGACTACAAGCTTCTTGGAGATGAAGATGACCAGAGTACTGCCAAGAGG
 CTATGTGGAAGAAAAAGCGCTCCAGCGGTCCCAGGCGCGGTGTAAAGACTGCGACAGAGTCTTTAAAT
 ATAGTCACTTCTTAGCAATCCACCAGAGACGCCACACGGGGGAACGACCTTCAAATGTAATGAGTGTGG
 GAAGGGCTTTGCTCAGAAGCACTCCTTGCAAGTCCATACCAGGATGCACACGGGGGAGCGGCCATACACC
 TGCACCGTGTGCGGCAAGGCGCTGACCACCAAGCACTCCCTGCTGGAGCACATGAGCCTGCACTCAGGAC
 AGAAGTCTTTACCTGTGATCAGTGTGGAAAATATTTAGCCAGAAAAGACAGCTAAAGAGCCATTATCG
 TGTCATACAGGTACGATACCAATAAGGCCACTACTACCAGAATGCAGCCACTGCCACCGAAAAGTTTAT
 GGACGTGTCCCAGCTGAAGAAGCACCTGCGGACACACAGAGGAGAAAAGCCATACTCCTGCAGCATCT
 GTGGCAAATGCTTCTCTGACTCCAGTGCCAAGAGGAGACTGCATCCTGCATACGGGCAAGAAGCCCTT
 CTCCTGCCCGAGTGTGGCTTACAGTTCGCTCGCTAGACAATTTGAAGGCACACTTGAAAATCCACAGC
 AAAGAGAAGCACACGGCAGACTCCAGCAGTGTCTTCTGGCAGTAATGTGGACGAGGGCAGGAACATTCTTC
 AGCTGCAACCATAACAGCTCTCCAGTCGGGAGAGCAGGAGATTAGCTTCTTGTACCCGACTCTGTGCA
 TAACATTAACCTTCATGCCAGTCCCAGCCAGGGGGTCAGCATCGTGGCTGCCGAGAGCCCCAGAGCATG
 GCCACAGACCCGGCTGCCAATCACCCTGCTCACACAGCAGCCTGAGCAGCTGCAGGGCCTGATCCTTT
 CCGCTCAGCAGGAGCAGGCAGAGCACATTCAGAGCCTCAGTGTGATTGGAGGCCAGATGGAGTCTCCCA
 GACTGAGCCAGTGCATGTATCACACTTCCAAGGAAACGCTGGAGCATCTCCACGCCACCAGGAGCAA
 ACAACCAGCTCAGTACCTGCAGCTGACACAGGAGCCCGAGCCACCCTGTCCCCTCCACTAGGCCAGGAG
 CAGAGCTGACCAAGCGCCTCTGGCCGTCCACTAGACCCTTCCCCTGGAGCAACAGTGGCAGGGTGGCC
 TTTTGGGCCATCATCTTACAGATCCTTAAAGATG

ACGCGTACGCGGCGGCTCGAG – GFP Tag – GTTTAA

Protein Sequence: >MG210052 representing BC055367
 Red=Cloning site Green=Tags(s)

MADTTPEPCGQLMVHSDTHSDTVLASLEDQRKKGFLCDITLIVENVHFRAHKALLAASSEYFSMMFAEEG
 EIGQSIYMLEGMVADTFGILLEFIYTGYLHASEKTTEQILATAQFLKVYDLVKAYADFQDNHSAPKPPAL
 NCTGTPVVVISNKKNDPLKRRGRPRKANGLQEGRSELAAGELQLRVNNSVQNRQNFVFKEEDSVKLSE
 QTPEDKESEPAGEPGSVEEVPAEKDENFDPKAGDQESQSRCSRRIIRSVKLKDYKLLGDEDDQSTAKR
 LCGRKKRSSGPEARCKDCDRVFKYSHFLAIHQRRHTGERPFKCNCEGKGFQKHSLQVHTRMHTGERPYT
 CTVCGKALTTKHSLLEHMSLHSGQKSFTCDQCGKYFSQKRQLKSHYRVHTGTIPRPLTTRMQPLPPKVY
 GRVPAEEAPADTHRGEKPYSCSICGKCFSDSSAKRRHCILHTGKKPFSCEPGLQFARLDNLKAHLKIHS
 KEKHTADSSSVSGSNVDEGRNIIQLQPYQLSTSGEQEIQLLVTDVSHNINFMGPSQGVSIVAASPQSM
 ATDPAANITLLTQPEQLQGLILSAQQEQAHEIQSLSVIGGQMESSQTEPVHVITLSKETLEHLHAHQEQ
 TTSSVPAADTGARATVPSTRPGAELTQAPLAVPLDPSGATVAGWPFPGPSSYRSLKM

TRTRPLE - GFP Tag - V

Restriction Sites:

SgfI-MluI

Cloning Scheme:



ACCN: BC055367

ORF Size: 2064 bp

OTI Disclaimer: The molecular sequence of this clone aligns with the gene accession number as a point of reference only. However, individual transcript sequences of the same gene can differ through naturally occurring variations (e.g. polymorphisms), each with its own valid existence. This clone is substantially in agreement with the reference, but a complete review of all prevailing variants is recommended prior to use. [More info](#)

OTI Annotation: This clone was engineered to express the complete ORF with an expression tag. Expression varies depending on the nature of the gene.

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: [BC055367.1](#)

RefSeq Size: 2757 bp

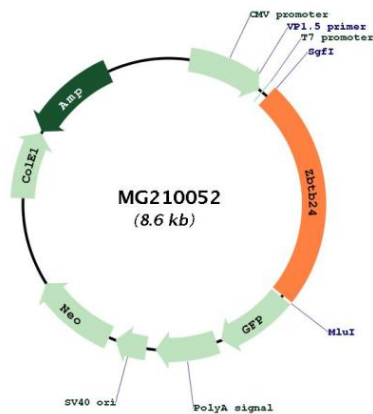
RefSeq ORF: 2066 bp

Locus ID: 268294

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]

Product images:



Circular map for MG210052