

Product datasheet for **MG219124**

Zbtb3 (NM_001098237) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Zbtb3 (NM_001098237) Mouse Tagged ORF Clone
Tag:	TurboGFP
Symbol:	Zbtb3
Synonyms:	4930563M09Rik
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)



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ORF Nucleotide Sequence:

>MG219124 representing NM_001098237
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGGATCGCC**

ATGGAGTTC**CCAGAACACAGTCAGCAGCTGCTTCAGAGCCTGCGGGAGCAACGGTCCAGGGTTTCCTTT**
 GTGACTGCACTGTGATGGTTGGTAGTACCCAGTCTTGGCCATCGGGCTGTGCTGGCCTCTGCAGCCC
 ATTCTTT**CAGCTTTTCTACAAGGAGCGGAATTGGACAAGAGGGACCTGGTGTGATTACAATGAGATT**
 GTCACGGCCCCAGCCTTTGGGTTGCTTTTGGACTTTATGTATGCTGGCCAGCTGGCCCTTAGGGGAGATA
 CTCCTCTAGAAGATGTGCTGGCAGCTGCCAGCTACTTGCACATGAATGACATTGTTAAGGTTTGAAGCA
 ACGATTGCAGGCCGAGCTCTGGCAGAGGCAGACAGTACCAAGAAGGAAGAGGAAACCAATCCTGCTAGT
 CTGGAGTTTTTGT**CAGGCAGTTCTCGAGGCCACAGCCTTACTGGCATCTGTTGAACCGTCAGCCCGCT**
 GGAACAAAGAGGAATGGAAGGTCAGCCACTCCCTTACCCATTGCTCATCTGCAGATGAGCCACCAGT
 ATCTGGGGGGCAGACACTACACAACCAAGCATGGAAGTTGACTCATCACATCTTCGGGCACCTCCTCCA
 CCAGTGGCTGATGCTCCGTCTCTTGGCAGCCCAAGTAGCTCTACAGAGACCATTCTGTAAACTACT
 TCTCTTCTGGCCTTCCAGGAGTTTCGGTGGAGCCCTTGACTCCTCTTGATGTGGTTCCTGAGAGTCTGAG
 GGTGGTGAACCAAGGGATACTGGAGGACCATTGCAAGGCTTCTATCCCCAGCTCCAGCCCCACCCCA
 GCGCCAGCCCCAGTTCTATCCCAGGCTCCAGCCCCAGTTGAAGCTGAACTGGTCCAGGTAAGTAGAAG
 CTATTGTGATCTCTGATGAGGAGGCTGACTTGT**CAGAGGAACAGCCCCACAGATCTGAAGGGCTGTTCC**
 ACCTGGAGGAGCAGTGTATGGGGACAGCCCTCACAGGCAGAGGCTTTT**GAGGAGCCAGGGGCAACAGGA**
 CTAGAGGAGGTGGGGCAAGTGACCCTTCTGCCTCCGGAATCTCATCTACCATACCATCTGCTGCCAG
 GTCCAGGCAGTATCATCGAGGGCTGGTAACCTCACCCCTGCCTGCACCAGCAGCCCTGCATGACCACT
 CTACCCTCTCTGAGTATGAAGCAGCCCAAGGGAGCTTTGAAAATTTTACAGAGGATGTTCCACCTGC
 AAGACTTGTGAAAGACCTTCTCATGTTCTTATACACTAAGGCGACATGCCACAGTGCACACACGTGAGC
 GGCCCTATGAGTGCCGCTATTGCCTACGAAGCTACACACAGT**CAGGGACCTCTACCGCCACATCCGCAA**
 GGCTCACAATGAGGACCTGGCCAAACGCAGCAAACAGATCCAGAGGCTAGCACCATTCTAGGGGTGCAG
 CCCCTCTCTGGCTCCCAAACGACAGAGAGACATAGCAGTGGTGGTGGAGGTCCACCCAAAGATTTGCAC
 TTGGTCTAAAAAT

ACGCGTACGCGGCCGCTCGAG – GFP Tag – GTTTAA

Protein Sequence:

>MG219124 representing NM_001098237
 Red=Cloning site Green=Tags(s)

MEFPEHSQQLLQSLREQRSQGF**LC**DCTVMVGSTQFLAHR**AV**LASCSPFFQLFYKERELDKRDLVCIHNEI
 VTAPAFGLLLDFMYAGQLALRGDT**PLE**DVLAAS**YL**HMNDIVK**VCK**QRLQARALAEADSTKKEEETNPAS
 LEFLSGSSRG**PQ**PLLASVEPSARWNKEEWKGPATPLPIAHPADEPPVSGGADTTQPSMEVDSSHLRAPP
 PVADVS**SL**ASPSSSTETIPVNYFSSGLPGV**SVE**PLT**PLD**VVPESLRVVEPRDTGGPLQGFYPPAPAPP
 APAPVLSQAPAPVEAELVQVKVEAIVISDEEADLSEEQ**PHR**SEGLFPPGGAVYGGQPSQAEAFE**EP**GATG
 LEEVGP**SD**HF**LP**PE**SH**LPYHLLPG**QY**HRGLVTSPLPAPAALHEPLYPPEYEA**AG**SGFNGFTEDVPTC
 KTCGKTFSCSYTLRRHATVHTRE**RP**YECRYCLRSY**TQ**SGDLYRHIRKAHNEDLAKRSK**PD**EASTILGVQ
 PLSGSQ**TER**HSSGGGPPKEFALGPKN

TRTRPLE – GFP Tag – V

Restriction Sites:

Sgfl-MluI

ACCN:	NM_001098237
ORF Size:	1554 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:	<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_001098237.2
RefSeq Size:	2037 bp
RefSeq ORF:	1557 bp
Locus ID:	75291
UniProt ID:	Q91X45
Cytogenetics:	19 A
Gene Summary:	May be involved in transcriptional regulation.[UniProtKB/Swiss-Prot Function]