

Product datasheet for **MG207336**

Zbtb12 (NM_198886) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Zbtb12 (NM_198886) Mouse Tagged ORF Clone
Tag:	TurboGFP
Symbol:	Zbtb12
Synonyms:	Bat-9; Bat9; BC020447; G10; NG35
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)



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ORF Nucleotide Sequence:

>MG207336 representing NM_198886
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGGATCGCC**

ATGGCCTCTGGGTGGAAGTCTCGCTTCCAGCTGCCTGGCCACGAGGCCGCAACGTTGCGGAACATGA
 ACCAGCTCCGTGCAGAGGAGCGTTCTGTGATGTGACCATCGTGGCCGACAGCCTCAAATTCGTGGCCA
 CAAGGTATCCTGGCCGCTGCTCACCGTTCTCCGGGACCAGTCTTGCTGAACCCAGTTCTGAGCTG
 CAGGTCTCACTGATGCACAGCGCGTATTGTGGCGGACTTGCTCCTCTTGTACACAGGCGCCCTGG
 AGTTCGAGTCAGGGACATCGTGAACCTGACAGCAGCCTCTACCTGCAAATGGAGCATGTAGTGA
 GAAATGCCGAACGCCCTTAGCCAGTTCTTGAAGCCAAATAGGCCCTTAAGAAGATGGGGTCAGCGAG
 GCTAGCCTCTAAGCAGTGTAGTGCCACCAAGTCCCTCCTCCAGCCAGGACCCCAAAGCCAGCTC
 CAAAACCCCAACACACCTCTCTACCCCTCCGCTCCTGCGACCGGTGAAGCTGGAGTTTCCGCTGGA
 TGAGGACCTAGAGCTGAAGGCGGAAGAGGAGGATGAGGATGAAGATGAAGATGTTTCTGACATCTGCATC
 GTCAAAGTGGAGTCGGCTCTAGAAGTGGCACACCGGCTCAAACCCCTGGAAGCCTAGCCGGGGGTCTGG
 GTATCGGGGCTCTGTGAGCAGCCACCTGGGAGAGCTGGCCAGAGTAGTGTGGCCCCAACACTGTTAC
 CCCACCGCAAGGGGTGGTGAAGGCATGCTACAGCCTGTCAGAGGACGCGGAAGGGGAAGGCCTGTTGTTG
 ATCCCAGGAGGCCGGGCCAGTGTGGGGCCACCTCGGGCCTAGTGAAGCAGCAGCGGTGGCCATGGCTG
 CCCGGGGGGGGGGGAGTCTGGGGGAGGGGTAGCCGGGGACCTCTGCCTGGGGGCTTCTCAAGTGG
 AAACCCCTTAAGAACATCAAATGCACCAATGCCCTGAAGTGTCCAGGGTGTGGAGAAGCTGGTCTTC
 CACATGCGTGCACAACACTTCATCTTCATGTGCCACGCTGCGGCAAGCAGTTCAACCACAGCAGCAACC
 TCAACGCCACATGAACGTCCACCGTGGTGTCAAGTCCATTATGTGGCATCTGCGGCAAGTGCTTTAC
 TCAGAAGTCCACACTGCAGATCACCTCAACCTGCACTCAGGAGCCCGGCCCTACCGGTGCTCCTACTGT
 GACGTGCGCTTTGCCACAAGCCGCCATTAGGCGGCACCTCAAGGAGCAGCATGGCAAAACACAGCTG
 AGAACGTGCTGGAAGCTGGTGTGGCTGAGATCAATGTCCTCATCCGC

ACGCGTACGCGGCCGCTCGAG – GFP Tag – GTTTAA

Protein Sequence:

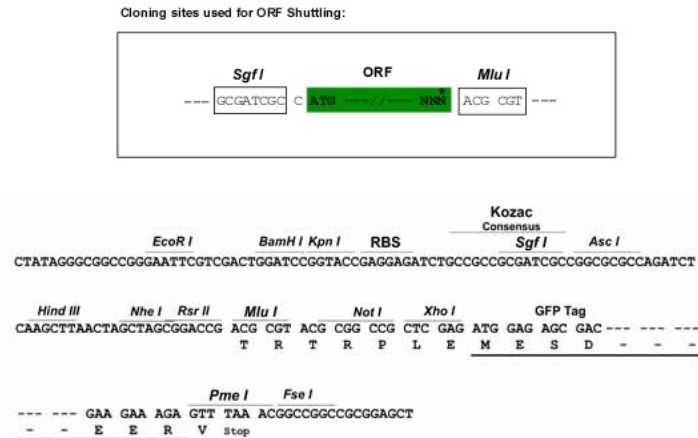
>MG207336 representing NM_198886
 Red=Cloning site Green=Tags(s)

MASGVEVLRFLPGHEAATLRNMNQLRAERFCDVTIVADSLKFRGHKVILAACSPFLRDQFLNPSEL
 QVSLMHSARIVADLLLSCYTGALEFAVRDIVNYLTAASYLQMEHVVEKCRNALSQFIEPKIGLKEDGVSE
 ASLLSSVSATKSLLPPARTPKPAPKPPPPPLPPPLLRPVKLEFPLDEDELELKAEEDDEDEDVSDICI
 VKVESALEVAHRLKPPGSLAGGLGIGASVSSHLGELAQSSVAPNTVTPPQGVVKACYSLSAEAEGLLL
 IPGGRASVGATSGLVEAAVAMAARGAGGSLGAGGSRGPLPGGFSSGNPLKNIKCTKCEVFQGVKLVF
 HMRAQHFI FMCPRCGKQFNHSSNLNRHMNVHRGVKSHSCGICGKCFQKSTLHDHLNLHSGARPYRCSYC
 DVRFAHKPAIRRLKEQHGKTTAENVLEAGVAEINVILIR

TRTRPLE – GFP Tag – V

Restriction Sites:

SgfI-MluI

Cloning Scheme:


ACCN: NM_198886

ORF Size: 1377 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: [NM_198886.3](#), [NP_942589.3](#)

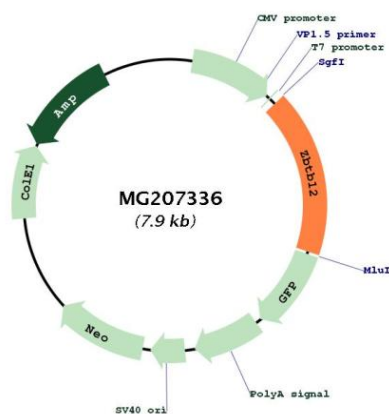
RefSeq Size: 1835 bp

RefSeq ORF: 1380 bp

Locus ID: 193736

Cytogenetics: 17 18.43 cM

Product images:



Circular map for MG207336