

Product datasheet for **MG221311**

Zbtb34 (NM_001085507) Mouse Tagged ORF Clone

Product data:

| | |
|---------------------------|--|
| Product Type: | Expression Plasmids |
| Product Name: | Zbtb34 (NM_001085507) Mouse Tagged ORF Clone |
| Tag: | TurboGFP |
| Symbol: | Zbtb34 |
| Synonyms: | Gm349; mKIAA1993 |
| Mammalian Cell Selection: | Neomycin |
| Vector: | pCMV6-AC-GFP (PS100010) |
| E. coli Selection: | Ampicillin (100 ug/mL) |



[View online »](#)

ORF Nucleotide Sequence:

>MG221311 representing NM_001085507
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGGATCGCC**

ATGGAAGCACCTGGAAGAATGCAATTCAAGATTACGTTTCGTGTCGGGAGAAATGGACAACAGCAGTT
 TCATTCAGTTTGTGTCCTGAGCACAGCAGCAGGTTCTGAGCCAATAAATGAGCTCCGCTGCAAGG
 GAAGCTATGTGACATCATCGTCCACATTAGGGTCAGCCCTCCGAGCCACAAAGCCGCTCTCGAGCC
 AGCTCCCCGATTTCCGGGACCATTAGCACTGAGCACTATGAGTGGCTTGTGATCTCTGTGATTAAGA
 ACCCCAGCGTGTGAGCAGTTGCTCTCCTTCTGTTACTGGAAGGATGTCCTTGACAGTGAAGGATGT
 TGTGAGTTTCTGACCGCAGCCAGCTTTCTTCCAGATGCAGTGTGTCATTGACAAGTGCACACAGATCCTA
 GAGAGCATCCACTCGAAGATCAGCGTGGGAGACGTTGACTCTGTTACCATTGGTGTGAAGAGAATCCTG
 AGAGCCGAAATGGGGTAAAAGATGGCAGCTTCTCACCAATCCTGTTGAAATCTCCCTCCGACTGCC
 TCAGGTACGGCAGCTCCAGTCAGCAGTGTCTCGGATGGAGACAACCCCAACAAAGCCCTTCGGAGC
 CGCTTGACAGGAAGAGGGGCACTCAGATCGGGGAGCAGTGGGAGCGTGTCTGAGTATGAGATTCAGATAG
 AAGGGGACCACGAGCAAGGGGACTTGTGGTGAGAGAGGCCAGATCACTGAGGTGAAAGTGAAGATGGA
 GAAGTCTGACCGCCAGCTGCTCCGACAGCTTCCCTGGGTGATGACGGCTACCACACGGAGATGGTT
 GATGGGAAACAAGTTGTGGCCGTGAATGTGGGCGCCTATGGCTCTGTGCTCCAGCATGCATACCCCTACT
 CCCAGACGGCTTACAGCCTTCCAGTGTCCAGAAGCTTTGGAGGTGAGACCAATCCAGTCCATCCAG
 GTCCATGCTGAGCTGCTCCGAGGCCGTGGGGCCCGCAGAAGCGAGCTGTGCTGTTCACTGCACAGT
 CACCTGCAGGGTGTGGTGCAGGGGTCTGACAGTGAAGCCATGATGAACAATCCCGGTTATGAGAGCAGTC
 CCCGGGAGAGGAGCGCCAGGGGTATTGGTACCATAACAACGAGAGTTGATCTGATTTACTGTGGGAA
 GTCTTTAACCAGAAGGGAAGCCTCGACAGGCACATGCGGCTGCATATGGGGATCACCCCTTTGTGTGC
 AAGTTCTGTGGGAAGAAGTACACGCGCAAGGACCAGCTGGAGTATCACATCCGGGCCCACACTGATGACA
 AACATTCCGATGCGAGGTCTGTGGGAAGTGTCTTCCATTCCAGGGTACCCTCAACCAGCACCTGCGGAA
 AAACCACCGGGGTACCGAAGGCAGGGTCCGATGGAGTCCCCGAAAGAACAGACATGTATGTGGAA
 CAGAACTCGAAAGTGTGCATCAGCCTCAGAGATGGCACTAGATTCCCGCTGGAATGCACACAGTGT
 CTGATGCGCCTGAC

ACGCGTACGCGGCCGCTCGAG – GFP Tag – GTTTAA

Protein Sequence:

>MG221311 representing NM_001085507
 Red=Cloning site Green=Tags(s)

MESTLEECNSRLRFVSGEMDNSSFIQFDVPEHSSTVLSQLNELRLQGKLCDIIVHIQGQPFRAHKAVLAA
 SSPYFRDHSALSTMSGLISVIKNPSVFEQLLSFCYTGRMSLQLKDVSFLTAASFQMVCVIDKCTQIL
 ESIHKSISVGDVDSVTIGAEENPESRNGVKDGSFFTNPVEISPPYCPQVRQPPVSSDLRMETTPNKALRS
 RLQEEGHSRGSVSEYEIQIEGDHEQDILLVRESQITEVKVMEKSDRPSDSSSLGDDGYHTEMV
 DGEQVVAVNVGAYGSLVQHAYPYSQTASQPSSVPEAFGGQTNSSPSRSMSCFRGRGARQKRALSVHLHS
 DLQGVVQGSDEAMNPNPYESSPRERSARGYWYPYNERLICIYCGKSFNQKGLDRHMLHMGITPFVC
 KFCGKKYTRKDQLEYHIRGHTDDKPFRCVCGKCFPFQGTNLNQHRLRNHPGVTEGRGRMESPERTDMYVE
 QKLESDASASEMALDSRLEMHTVSDAPD

TRTRPLE – GFP Tag – V

Restriction Sites:

Sgfl-MluI

Cloning Scheme:


ACCN: NM_001085507

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:

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_001085507.1](#), [NP_001078976.1](#)

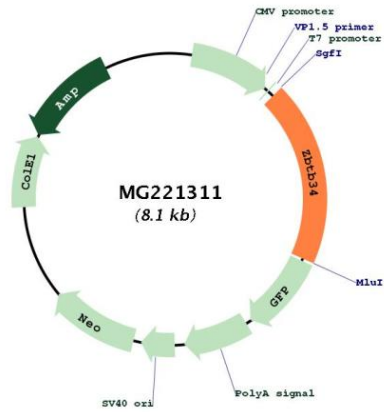
RefSeq Size: 6602 bp

RefSeq ORF: 1557 bp

Locus ID: 241311

Cytogenetics: 2 B

Product images:



Circular map for MG221311