

## Product datasheet for **MG215377**

### Zbtb38 (NM\_175537) Mouse Tagged ORF Clone

#### Product data:

<b>Product Type:</b>	Expression Plasmids
<b>Tag:</b>	TurboGFP
<b>Symbol:</b>	Zbtb38
<b>Synonyms:</b>	A930014K01Rik; CIBZ
<b>Mammalian Cell Selection:</b>	Neomycin
<b>Vector:</b>	pCMV6-AC-GFP (PS100010)
<b>E. coli Selection:</b>	Ampicillin (100 ug/mL)

**ORF Nucleotide Sequence:** >MG215377 representing NM\_175537  
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTACTATAGGGCGGCCGGGAATTCGTGACTGGATCCGGTACCGAGGAGATCTGCC  
GCCGCGATCGCC

ATGACAGTCATGTCCCTCTCCAGGGACCTCAAGGACGACTTTCACAGTGACACAGTACTCTCCATCTTAA  
ATGAGCAGCGCATTTCGGGGCATCTTATGTGATGTCACCATCATCGTGGAAGACACCAAGTTTAAAGCCCA  
CAGCAATGTCTGGCCGCCTCAAGTCTTTATTTCAAAAACATCTTTTGGAGCCATACGATCTGCATTTCC  
AGTCACGCTTTGGAGCTGGATGATCTGAAAGCCGAAGTGTTTACAGAAATACTTAATATATCTACAGCT  
CTACCGTTGTGGTCAAAAAGACAGGAAACCGTCACTGATCTTGCAGCTGCAGGGAAAAAGCTGGGAATATC  
ATTCTTAGAAGACCTTAGTGACCGCAACTTCTCAAATCCCCAGGTCTTACGTAGTCTGCATTACTGAA  
AAGGGAGTGGTTAAGAAGAAAAAATGAGAAAAGGCACGAAGAACCAGCTGTCACTAATGGGCCAAGGA  
TCACAAACGCGTTTCCATCATTGAGACGAAAAATAGTAATAACATGTTTTCTCCCTGGACTTGAGAGC  
AAGTTCAAAAAGGTGTCTGATTCCATGAGGACAGCCAGCCTTTGCCAGGAGAGAGCCAGCGTCTGCCAT  
GAGGTAGAGCCTGTCCGCACGCTTGTGAGCACTCGTATGCCGTCTCGTCCATCACTGAGGCCTACAGGA  
GTCAGCCTCCGAGGGAACAGGACAGCAGCTCATCTGCTAAAACAGGAAAAGAACTGGTGATGCTCTTGC  
CACAAAAGCGAAGCCATGCCGAAAGCCAAAGCCCAACCCAGGATTCTGACTCAACCACAGAAAAATATG  
CCTCTCTCTAGTAACCTGCCAGAGGTGAATCAAGAAAGAAGCCACAGCCAGCTCCAGATCTGTAC  
ACTCAGAGCCTCCAGCAATGAAGGGGATATCCATTTCCAGGGAAGATGAAAATCAGCCCTCTGATGC  
TCCGGTCCAGGAGCAGCAGAGGTCCCGCCCTCGTTATAACTGCAGCTGTTGTTCCAAGTCTTTGAC  
AGCAGCAGCTGCTCAGTGCCACATGCAGCTCCACAAGCCAGCCAGGAGCCTTTTGTGTGCAAGTACT  
GCAACAAGCAGTTCACCACCCTCAACAGACTGGACCGCAGCAGCAGATCTGCATGAGGTCTAGCCAGT  
GCCATCCCAGGAGGAAACCCACCGTTCTTGGAAAACCTACCCACTATTGGTCAAGATGGAACCTTATT  
AGAAGCCCGAATCATTAGGGCCAGAAAAAGGATTGGCGAACTATCCAGCGCGGGGAGTGCCTTGTGAG  
ACGGGACACATGGTGAATTTGTGAACGGGCAGATGCTCTACAGCTGCATCGTGTGCAACGTAAGTTA  
TGTGACTTTGTCCAGCCTCCGGCGGATGCAAAATGTTCACTCGTGGAAGAACAATACCCTTGCCATTAC  
TGCAACAAGGTCTTTGCGCTGGCTGAGTACAGGACGCGACATGAAATCTGGCACACTGGGGAGAGCGGT



ACCAGTGCATTTTCTGTCTTGAACCTTTTATGACCTACTACATACTAAAAACCATCAGAAGTCCTTTCA  
 TGCCATAGATCACAGACTCTCCATCAATAAAAAACAGCGAACGGAGGCTTGAAGCCTACTGTCTATCCA  
 TACAACTTTACAGGCTCTTGCCTATGAGATGCAAGAGGGCACCTTATAAGAGCTACCGGAATCTTCCCT  
 ATGTAAGTGCTCAAGGAAGCAGTCAAAGGGTGAATCTGCCCTGATACGTTTCATCGTTCCGAATCTGCA  
 AAGCTCTGAAATGCCACACTGGACTTCCAAGATGGCAGAAACACGTTGCCAGCAGCCCTGCCGTGCCA  
 GTGGAAACACCTTACGGCAGGGCGCACCCACTTCTGCCAGAGTAAAAATGCAGAAGGCATCAATGGA  
 GGAAGCAGGACAGTAAAACCAATCTCGTCGATAACTTCGATTCAACTGAGGTGTCAGTTTCTCCACTGG  
 AAACACCGTCAGCGCCACCCTACAGACAGAGCCCGCATGTGTTTCATCTGTGGGCAAAGGCAGTGAGCAC  
 TCGGCCTCTGTGATCAGCTACAGCGGCTCGGTGCCCTCCGTCATTGTGCACAGCAGCCAGTTCTCGTCGG  
 TGATCAAGCACAGCAACACCATCGCTAGCCTGACCAACAGCAACCACAAGTCCCCTTCAACACCGGTGGT  
 CAGCCCGTCCCTGATCAAGGACAGCAAGCCCGAGACAGATAAAGCCAGTAACTGCAAGCAGACCCAAA  
 AGCATTAAGGAGAAAAAAGAACTGCTCCGAGTAACAGGGGAGAAAATAACAGAGGAGGCAAAATATATTG  
 CTGATCAGGAGGGTCTCAGGCAAAACCACAAACGCTGAAGAAACCAGTAAGATTGAAACTTATATCGC  
 AAAACCTGCTCTGCCCGTACCTCCACAAATAGCAATGTTGCACCCCTTGGCCAGATAACAGTAAAAAT  
 GGGAACGAAGCCATCGTAAAAGGCATATCCTTGGGTCTAAGCTGTTTTACAAAAGAGGGAGAAAACCTA  
 AGTATCAAATGCAGGAAGAGACTGCCTCGGGAGAATGACCCAGAAACCCCTGGGGACAGCCCTTGG  
 GCTTGGCCAGGCTGAATGTGTAGAGATGAGTGAAGCATTGATGAAGTGAAGTACCAGGACTCCACTGAT  
 AAGCCGTGGCGCCATACTACAACACAAACCAAGAAGAAATCCAACAGCTGAGAAAAATGAGGAAAG  
 TCAAATGGAGGAAGAACGCAGGAGCAGAAGCCCGTGGCCGGTGCAGATACCCAGCCGAAGTGGATCG  
 TGCAGAGGTGAACTGCCCCAGATAAGGCCCTTGAAGAAAGAAAGAAAGAAAGAAATAAAGAGATG  
 CCCAAGCTGCAGTGTGAGCTCTGTGATGGCTGCCCTGATGGGGCAGCAGGGGCGGGAGCCGAAGGCAAGC  
 CCCACCAGCATCTCACTTGAAGCCTTACATCTGCGAGCTCTGTGCAAAGCAGTTCAGAGCTCTCCAC  
 ACTCAAGATGCACATGAGATGCCACTGGAGAAAAGCCGTATCAGTGCAGACTGTGGGGGTGCTTC  
 TCGGTGCAGGGGAACCTACAGAAGCAGAGCGCATACACCTGGGCGTGAAGGAGTTCATCTGTGAGTATT  
 GTAACAAGGCATTCACTCAACGAGACGCTCAAGATCCACAGAGAAATCCACTGGGGAGAAGCGCTA  
 CCACTGTGAGTCTGCTTTCAGGGTTTCTGTATCTCTCCACAAACGGAACACGAGCGGAGGCACATC  
 CGGGAGCATGATGGGAAAGGCTTGTCTGCTTCCAGTCCCAAAATATGCAAAACAGCTGCTGCCCTCA  
 GAATGCACCAAAAGAAACACTTATACAAGACCTTACCTAAGCAAGAGGAAACAGGCGACACGTCGCCAGA  
 GAACGCGGATCTCTTGAAGTCAAGTTCGACTGATTCGAAGACAGGCAACAAAGGATGACATAAAA  
 GCCTTGTGAAAACGCTCT

AGCGGACCGACGCGTACGCGGCGCTCGAG - GFP Tag - GTTTAA

**Protein Sequence:**

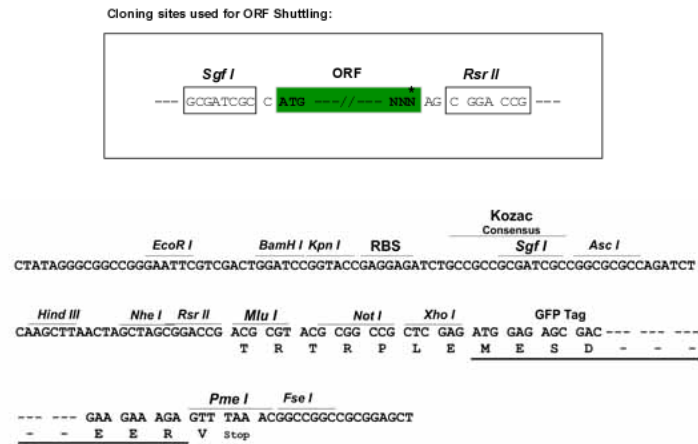
>MG215377 representing NM\_175537  
 Red=Cloning site Green=Tags(s)

MTVMSLSRDLKDDFHSDTVLSILNEQRIRGILCDVTIIVEDTKFKAHSNVLAASSLYFKNIFWSHTICIS  
 SHVLELDDLKAEVFTEILNYIYSSTVVVKRQETVTLAAAGKLGISFLEDLSDRNFSNSPGPYVVCITE  
 KGVVKEEKNEKRHEEPAVNTNGPRITNAFSIIETENSNNMFSPLDLRASFKKVSMSRTASLQERASVCH  
 EVEPVRTLAEHSYAVSSI TEAYRSQPPREQDSSSAKTGKETGDALATKAKPCRKPKPQTQDSDSTENM  
 PLSLVTCPPEVNRSPQAPDL SHSEPPSNEGDIHFREDENQPSDAPGPAAEVPPLVYNCSSCSKSF  
 SSTLLSAHMLHKPTQEPFVCKYCNKQFTTLNRLDRHEQICMRSSHVPIPGNPPFLNYPTIGQDGT  
 RSPESLGPENRIGELSSAGSALSDADHMVKFVNGQMLYSCIVCKRSYVTLSSLRRHANVHWRRTYPCHY  
 CNKVFALAEYRTRHEIWHTGERRYQCFLETFTYIILKNHQSFHAIDHRLSINKKTANGGLKPTVYP  
 YKLYRLLPMRCKRAPHYSYRNSSYVSAQSSQRGESAPDTFIVPNLQSSEMPDLDFQDGRNLTLPSPAVP  
 VETPSRQGAPTSARVKNAEIKWRKQAVKTNLVDNFDSTEVSVSSTGNTVSATLQTEPACVSSVKGKSEH  
 SASVISYSGSVSVIVHSSQFSSVIKHSNTIASLTNSNHKSPSQPVVPSLIKDSKPEIDKASKPASRPK  
 SIKEKKTAPSNGEITEEAKYIADHGGSSGKTTNAEETSKIETYIAKPALPGTSTNSNVAPLCQITVKI  
 GNEAIVKRHILGSKLFYKGRKPKYQMQEETLPRENDPETPGDSPGLCQAECVEMSEAFDEVSQDSTD  
 KPWRPYYNYKPKKSKQLRKMVKVWRKERRSRSPVGRCRYPAELDRAEVKLPDKAFEEEEEEENKEM  
 PKLQCELCDGCPDGAAGAGAEGKPHQHLT SKPYICELCAKQFQSSSTLKMHRCHTGEKPYQCKTCGRFC  
 SVQGNLQKHERIHLGVKEFICQYCNKAFTLNETLKIHERIHTGEKRYHCQFCFGFLYLSTKRNHERRHI  
 REHDGKGFACFQCPKICKTAAALRMHQKHLKYLKPKQEETGDTCHENADLLESQCLCTDSEDSQKDDIK  
 AFAENVL

SGPTRRRLE - GFP Tag - V

**Restriction Sites:** SgfI-RsrII

**Cloning Scheme:**



**ACCN:** NM\_175537

**ORF Size:** 3591 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).

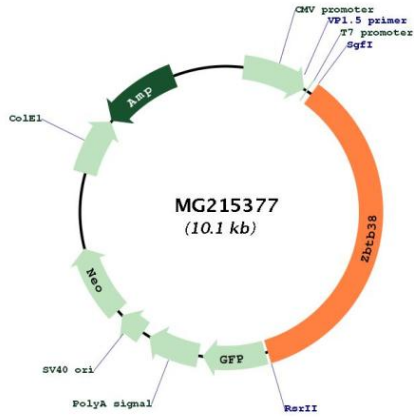
**Reconstitution Method:**

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_175537.3, NP_780746.2
RefSeq Size:	4091 bp
RefSeq ORF:	3594 bp
Locus ID:	245007
Cytogenetics:	9 E3.3

**Product images:**



Circular map for MG215377