

## Product datasheet for **MG210092**

### **Rhobtb1 (BC099973) Mouse Tagged ORF Clone**

#### **Product data:**

Product Type:	Expression Plasmids
Product Name:	Rhobtb1 (BC099973) Mouse Tagged ORF Clone
Tag:	TurboGFP
Symbol:	Rhobtb1
Synonyms:	1700008H16Rik; 3110048G13Rik; AI173445; AI573858; AV350930
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)



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**ORF Nucleotide Sequence:**

>MG210092 representing BC099973  
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
 GCC**CGCATCGCC**

ATGGACTCTGACATGGACTACGAACGACCAACGTTGAGACCATCAAGTGCCTGGTCTGGGCGACAACG  
 CCGTAGGGAAGACGCGCCTCATCTGTGCCGGGCTGCAACACCACCCTGACACAGTACCAGCTGCTGGC  
 CACCCATGTGCCACCGTGTGGGCCATTGATCAGTACCGTGTCTGCCAGGAGTCTGGAGCGGTCCAGG  
 GATGTCGTCGATGAAGTGAAGTCTCCCTCAGGCTTTGGGACACGTTTGGAGATCACCACAAAGACAGGC  
 GGTTCGCATATGGCAGGTCGGATGTTGTGGTCTCTGCTTTAGCATCGCGAACCCCAACTCCCTAAATCA  
 TGTGAAAACCATGTGGTATCAAGAAATCAAGCACTTTTGCCTCGAACGCCCGTCTGCTGGTTGGCTGC  
 CAGCTAGACCTCCGCTACGCCACCTGGAGGCTGTTAACCGGGCCAGACGCCCTTAGCAAGGCCATAA  
 AGAGAGGTGACATTTGCCCCAGAAAAGGCCCGGAGGTGGCGAAGGAATTGGCATCCCGTACTACGA  
 GACCAGCGTGTGGTGGTGGTGGTGGTGGTGGTGGTGGTGGTGGTGGTGGTGGTGGTGGTGGTGGTGGT  
 CGCCGGCACCTGCAGTTCTGGAAATCCCACTTGAAAAAGTCCAGAAGCCTCTGCTTCAGGCGCCCTCC  
 TACCTCCGAAAGCTCCTCCCGGTCATCAAGTCCCGAGTGTCCGTCGCGGGGACCAGCGATGCTGC  
 CTGTTTACTGGACAACCCCTGTGCGCCGACGTCCTCTTCGTTCTCCATGACCAGGAGCAGATCTTTGCG  
 CACCGCATTTACCTCGCTACCTCTTCTTCAAATTTCTACGACCTTTTTTAAATGGAGTGTGAAGAATCCC  
 CTTGTTGGGGTGGAGGAGCTGGTGGAGGAGTGGTGGAGGAGTGGTGGAGGAGTGGTGGAGGAGTGGTGG  
 ATCAGCCGAGGAAGGGAAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAG  
 GACCTGCCTGAGAGTGGTGGTGGTGGTGGTGGTGGTGGTGGTGGTGGTGGTGGTGGTGGTGGTGGTGG  
 GCAAGGGGTTTGTGAGCATGCACAGGGAGGTGCGGGTCAACCCATTTCCAAGCGGTGGGCCAGTGAC  
 CGTGGTCAAGGCTGGACCCATCGATGCAGTCAAGCCCTTCCGGACTGCTGAGATTCTCTACTCTGGG  
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 TGAGGATGATGGTAGAGAATATCATGAACAAGGAGGCTTTTATGAACCAGGAGATCACGAAAGCCTTCCA  
 CGTCCGAAAGCCAATCGGATCAAAGAATGTCTCAGCAAGGGCACCTTCTCAGACGTGACATTTACCTTG  
 GATGACGGAGCCATCAGCGCCACAAGCCGCTGCTGATCTGTAGCTGCGAATGGATGGCGGCCATGTTG  
 GGGGTTCTTTGTGAAAGCGCCAACCGTGGGTTACCTCCCAATATAACAAGATGTCGATGCAGGC  
 GGTGTTGGAATACCTCTACCCAAGCAGTTGTACCCAATTGGACCTGGACCCCTGGAGTTAATTGCC  
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 AGGCCGCTGTGAGTGGTGTGAGCATCGATGGTGAAGTTCTCTCTACTTGGAGCTGGCACAGTTTACAA  
 TGCCAATCAGCTAGCTGCCTGGTGGTGGTGGTGGTGGTGGTGGTGGTGGTGGTGGTGGTGGTGGTGGT  
 CGCAAGGAAATCAAATCCAAGTCAGCAGACAACCAGGAGTACTTTGAGCGGCACCCTGGCCCCCTGTGT  
 GGTACCTGAAGGAGGAAGACACTACCAGCGTGTGAAGAGGGAACGAGAGAAAGAGGACCTGGCGCTGAA  
 CAAGCACCATTAAGGAGAAAGTGGTGGTGGTGGTGGTGGTGGTGGTGGTGGTGGTGGTGGTGGTGGTGGC

**ACGCGT**ACGCGGCCGCTCGAG - GFP Tag - GTTTAA

**Protein Sequence:** >MG210092 representing BC099973  
 Red=Cloning site Green=Tags(s)

MDSMDYERPENVETIKCVVVDNAV GKTRLICARACNTTLTQYQLLATHVPTVWAI DQYRVCQEV LERSR  
 DVVDEVSISLRLWDTFGDHHKDRRFAYGRSDVVVLCFSIANPNLSLNVKTMWYQEI KHFCPRTPVVLVGC  
 QLDLRYADLEAVNRARRPLARPIKRGDILPPEKGREVAKELGIPYYETS VFDQFGIKDVFDAIRAALIS  
 RRHLQFWKSHLKKVQKPLLQAPFLPPKAPPPVIK VPECP SAGTSDAACLLDNPLCADVLFVLHDQEHIFA  
 HRIYLATSSSKFYDLFLMECEESPCWGGGAGEEVPCRDFQGR TQSLGSAEEGKEGPQRT PQADPGASSGQ  
 DLPESLALQMEASGSEGHALSGWSKGFVSMHREVRVNPISKRVGPVTVVRLDPSMQSGPFR TLLRFLYSG  
 QLDEKEKDLLGLAQMAEVL E MFDLRMMVENIMNKEAFMNQEITKAFHVRKANRIKECLSKGTFSDVTF TL  
 DDGAI SAHKPLLIC SCEWMAAMFGGSFVESANRE VHLPNINKMSMQAVLEYLTKQLSPNLDLPLELIA  
 LANRFCLTHLVALVEQHAVQELTKAAVSGV SIDGEVLSYLELAQFHANQLAAWCLHHICTNYSVCSKF  
 RKEIKSKSADNQEYFERHRWPPVWYLKEEDHYQRVKREREKEDLALNKHHSRRKWC FWHSSPAVA

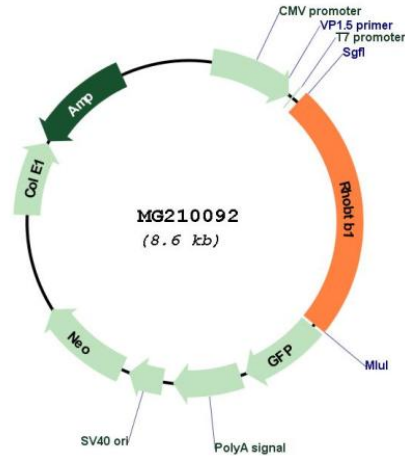
TRTRPLE - GFP Tag - V

**Restriction Sites:**

SgfI-MluI

**Cloning Scheme:**



**Plasmid Map:**


**ACCN:** BC099973

**ORF Size:** 2087 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:** [BC099973](#), [AAH99973](#)

**RefSeq Size:** 2517 bp

RefSeq ORF: 2087 bp  
Locus ID: 69288  
Cytogenetics: 10 B5.3