

## Product datasheet for **MR230912**

### **Rhobtb1 (NM\_001252636) Mouse Tagged ORF Clone**

#### **Product data:**

Product Type:	Expression Plasmids
Product Name:	Rhobtb1 (NM_001252636) Mouse Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Rhobtb1
Synonyms:	1700008H16Rik; 3110048G13Rik; AI173445; AI573858; AV350930
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



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**ORF Nucleotide Sequence:**

>MR230912 representing NM\_001252636  
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
 GCC**CGGATCGCC**

ATGGACTCTGACATGGACTACGAACGACCAACGTTGAGACCATCAAGTGCCTGGTCTGGGCGACAACG  
 CCGTAGGGAAGACGCGCCTCATCTGTGCCCGGGCTGCAACACCACCCTGACACAGTACCAGCTGCTGGC  
 CACCCATGTGCCACCGTGTGGGCCATTGATCAGTACCGTGTCTGCCAGGAGTCTGGAGCGGTCCAGG  
 GATGTCGTCGATGAAGTGAAGTCTCCCTCAGGCTTTGGGACACGTTTGGAGATCACCACAAAGACAGGC  
 GGTTCGCATATGGCAGGTCGGATGTTGTGGTCTCTGCTTTAGCATCGCGAACCCCAACTCCCTAAATCA  
 TGTGAAAACCATGTGGTATCAAGAAATCAAGCACTTTTGCCTCGAACGCCCGTCTGCTGGTTGGCTGC  
 CAGCTAGACCTCCGCTACGCCACCTGGAGGCTGTTAACCGGGCCAGACGCCCTTAGCAAGGCCATAA  
 AGAGAGGTGACATTTGCCCCAGAAAAGGCCGCGAGGTGGCGAAGGAACTTGGCATCCCGTACTACGA  
 GACCAGCGTGTGGTGGACAGTTTGGCATCAAGGACGTGTTGCAATGCCATCCGAGCAGCCCTCATCTCC  
 CGCCGGCACCTGCAGTTCTGGAAATCCCACTTGAAGAAAGTCCAGAAGCCCTGCTTTCAGGCGCCCTCC  
 TACCTCCGAAAGCTCCTCCCGGTCATCAAGTCCCGAGTGTCCGTCGCGGGGACCAGCGATGCTGC  
 CTGTTTACTGGACAACCCCTGTGCGCCGACGTCCTCTTCGTTCTCCATGACCAGGAGCAGATCTTTGCG  
 CACCGCATTTACCTCGCTACCTCTTCTCAAATTTCTACGACCTTTTTTAAATGGAGTGTGAAGAATCCC  
 CTTGTTGGGGTGGAGGAGCTGGTGAAGGAGTCCGTCAGGGATTTTCAGGGGCGGACGCAGAGTCTTGG  
 ATCAGCCGAGGAAGGGAAGGAGGGCCCCAGAGGACCCCTCAGGCTGACCAGGAGCGTCTTCAGGCCAG  
 GACCTGCCTGAGAGTTTGGCTTTGCAGATGGAAGCCTCGGGTCCGAGGGACACGCCCTGTCCGGCTGGA  
 GCAAGGGGTTTGTGAGCATGCACAGGGAGGTGCGGGTCAACCCATTTCCAAGCGGTGGGCCAGTGAC  
 CGTGGTCAAGGCTGGACCCATCGATGCAGTCAGGCCCTTTCCGGACACTGCTGAGATTCTCTACTCTGGG  
 CAGCTGGACGAAAAGGAAAAGATCTGCTGGGGCTGGCTCAGATGGCCGAGGTCCTGGAGATGTTTGATC  
 TGAGGATGATGGTAGAGAATATCATGAACAAGGAGGCTTTTATGAACCAGGAGATCACGAAAGCCTTCCA  
 CGTCCGAAAGCCAATCGGATCAAAGAATGTCTCAGCAAGGGCACCTTCTCAGACGTGACATTTACCTTG  
 GATGACGGAGCCATCAGCGCCACAAGCCGCTGCTGATCTGTAGCTGCGAATGGATGGCGGCCATGTTTCG  
 GGGTTCTTTGTGAAAGCGCCAACCGTGAAGTTCACCTCCCAATATAACAAGATGTCGATGCAGGC  
 GGTGTTGGAATACCTCTACCCAAGCAGTTGTACCCAACCTGGACCTGGACCCCTGGAGTTAATTGCC  
 TTGGCAAACAGATTTTGCCTGACACACTGGTTGCTCTCGTAGAGCAGCATGCTGTCCAGGAGCTCACCA  
 AGGCCGCTGTGAGTGGTGTGAGCATCGATGGTGAAGTTCTCTCTACTTGGAGCTGGCACAGTTTACAA  
 TGCCAATCAGCTAGCTGCCTGGTGGTGGTGCATCAGTCTGCACCAACTACAACAGCGTCTGTTTCAAGTTC  
 CGCAAGGAAATCAATCCAAGTCAGCAGACAACCAGGAGTACTTTGAGCGGCACCCTGGCCCCCTGTGT  
 GGTACCTGAAGGAGGAAGACCACTACCAGCGTGTGAAGAGGGAACGAGAGAAAGAGGACCTGGCGCTGAA  
 CAAGCACCATTCAAGGAGAAAGTGGTGGTCTGGCATTCTGCCCCAGCTGTCGCC

**ACGCGT**ACGCGGGCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
 ACAAGGATGACGACGATAAGGTTTAA

**Protein Sequence:** >MR230912 representing NM\_001252636  
Red=Cloning site Green=Tags(s)

MDSMDYERPNETIKCVVVDNAV GKTRLICARACNTTLTQYQLLATHVPTVWAI DQYRVCQEV LERSR  
 DVVDEVSISLRLWDTFGDHHKDRRFAYGRSDVVVLCFSIANPNSLNHVKT MWYQEI KHFCPRTPVVLVGC  
 QLDLRYADLEAVNRARRPLARPIKRGDILPPEKGREVAKELGIPYYETS VFDQFGIKDVF DNAIRAALIS  
 RRHLQFWKSHLKKVQKPLLQAPFLPPKAPPPVIK VPECP SAGTSDAACLLDNPLCADVLFVLHDQEHIFA  
 HRIYLATSSSKFYDLFLMECEESPCWGGGAGEEVPC RDFQGR TQSLGSAEEGKEGPQRT PQADPGASSGQ  
 DLPESLALQMEASGSEGHALSGWSKGFVSMHREVRVNPISKRVGPVTVVRLDPSMQSGPFR TLLRFLYSG  
 QLDEKEKDLLGLAQMAEVLEMFDLRMMVENIMNKEAFMNQEITKAFHVRKANRIKECLSKGTFSDVTF TL  
 DDGAI SAHKPLLIC SCEWMAAMFGGSFVESANRE VHLPNINKMSMQAVLEYLTKQLSPNLDLPLELIA  
 LANRFCLTHLVALVEQHAVQELTKAAVSGV SIDGEVLSYLELAQFHANQLAAWCLHHICTNYSVCSKF  
 RKEIKSKSADNQEYFERHRWPPVWYLKEEDHYQRVKREREKEDLALNKHHSRRKWC FWHSSPAVA

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

**Restriction Sites:**

SgfI-MluI

**Cloning Scheme:**



**ACCN:** NM\_001252636

**ORF Size:** 2085 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\\_001252636.1](#), [NP\\_001239565.1](#)

**RefSeq Size:** 4312 bp

**RefSeq ORF:** 2088 bp

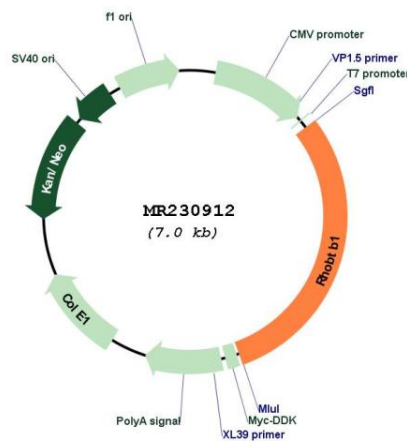
**Locus ID:** 69288

**UniProt ID:** [Q9DAK3](#)

**Cytogenetics:** 10 B5.3

**MW:** 78.8 kDa

**Product images:**



Circular map for MR230912