

## Product datasheet for **MR230913**

### **Rhobtb1 (NM\_001252637) Mouse Tagged ORF Clone**

#### **Product data:**

Product Type:	Expression Plasmids
Product Name:	Rhobtb1 (NM_001252637) 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)



[View online »](#)

**ORF Nucleotide Sequence:**

>MR230913 ORF sequence  
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
 GCC**CGGATCGCC**

ATGGACTCTGACATGGACTACGAACGACCAACGTTGAGACCATCAAGTGCCTGGTCTGGGCGACAACG  
 CCGTAGGGAAGACGCGCCTCATCTGTGCCGGGCTGCAACACCACCCTGACACAGTACCAGCTGCTGGC  
 CACCCATGTGCCACCGTGTGGGCCATTGATCAGTACCGTGTCTGCCAGGAGTCTGGAGCGGTCCAGG  
 GATGTCGTCGATGAAGTGAAGTCTCCCTCAGGCTTTGGGACACGTTTGGAGATCACCACAAAGACAGGC  
 GGTTCGCATATGGCAGGTCGGATGTTGTGGTCTCTGCTTTAGCATCGCGAACCCCAACTCCCTAAATCA  
 TGTGAAAACCATGTGGTATCAAGAAATCAAGCACTTTTGCCTCGAACGCCCGTCTGCTGGTTGGCTGC  
 CAGCTAGACCTCCGCTACGCCGACCTGGAGGCTGTTAACCGGGCCAGACGCCCTTAGCAAGGCCATAA  
 AGAGAGGTGACATTTGCCCCAGAAAAGGCCGCGAGGTGGCGAAGGAACTTGGCATCCCGTACTACGA  
 GACCAGCGTGTGGTGGACAGTTTGGCATCAAGGACGTGTTGCAATGCCATCCGAGCAGCCCTCATCTCC  
 CGCCGGCACCTGCAGTTCTGGAAATCCCACTTGAAAAAGTCCAGAAGCCTCTGCTTCAGGCGCCCTCC  
 TACCTCCGAAAGCTCCTCCCGGTCATCAAGTCCCGAGTGTCCGCTGCGGGGACCAGCGATGCTGC  
 CTGTTTACTGGACAACCCCTGTGCGCCGACGCTCTTCTGTTCTCCATGACGAGGAGCAGATCTTTGCG  
 CACCGCATTTACCTCGCTACCTCTTCTCAAATTTCTACGACCTTTTTTAAATGGAGTGTGAAGAATCCC  
 CTTGTTGGGGTGGAGGAGCTGGTGAAGGAGTCCGTCAGGGATTTTCAGGGGCGGACGCAGAGTCTTGG  
 ATCAGCCGAGGAAGGGAAGGAGGCCCCAGAGGACCCCTCAGGCTGACCCAGGAGCGTCTTCAGGCCAG  
 GACCTGCCTGAGAGTTTGGCTTTGCAGATGGAAGCCTCGGGTCCGAGGGACACGCCCTGTCCGGCTGGA  
 GCAAGGGGTTTGTGAGCATGCACAGGAGGTGCGGGTCAACCCATTTCCAAGCGGTGGGCCAGTGAC  
 CGTGGTCAAGGCTGGACCCATCGATGCAGTCAGGCCCTTCCGGACCCTGCTGAGATTCTCTACTCTGGG  
 CAGCTGGACGAAAAGGAAAAGATCTGCTGGGGCTGGCTCAGATGGCCGAGGTCCTGGAGATGTTTGATC  
 TGAGGATGATGGTAGAGAATATCATGAACAAGGAGGCTTTTATGAACCAGGAGATCACGAAAGCCTTCCA  
 CGTCCGAAAGCCAATCGGATCAAAGAATGTCTCAGCAAGGGCACCTTCTCAGACGTGACATTTACCTTG  
 GATGACGGAGCCATCAGCGCCACAAGCCGCTGCTGATCTGTAGCTGCGAATGGATGGCGGCCATGTTTCG  
 GGGTTCTTTGTGAAAGCGCCAACCGTGAAGTTCACCTCCCAATATAACAAGATGTCGATGCAGGC  
 GGTGTTGGAATACCTCTACACCAAGCAGTTGTACCCAACTTGGACCTGGACCCCTGGAGTTAATTGCC  
 TTGGCAAACAGATTTTGCCTGACACACTGGTTGCTCTCGTAGAGCAGCATGCTGTCCAGGAGCTACCA  
 AGGCCGCTGTGAGTGGTGTGAGCATCGATGGTGAAGTTCTCTCTACTTGGAGCTGGCACAGTTTACAA  
 TGCCAATCAGCTAGCTGCCTGGTGTGTCATCACATCTGCACCAACTACAACAGCGTCTGTTTCAAGTTC  
 CGCAAGGAAATCAAATCCAAGTCAGCAGACAACCAGGAGTACTTTGAGCGGCACCCTGGCCCCCTGTGT  
 GGTACCTGAAGGAGGAAGACCACTACCAGCGTGTGAAGAGGGAACGAGAGAAAGAGGACCTGGCGCTGAA  
 CAAGCACCATTCAAGGAGAAAGTGGTGTCTGGCATTCTGCCCCAGCTGTCGCC

**ACGCGT**ACGCGGGCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
 ACAAGGATGACGACGATAAGGTTTAA

**Protein Sequence:** >MR230913 protein sequence  
Red=Cloning site Green=Tags(s)

MDSMDYERPNETIKCVVVDNAVGTKRLICARACNTTLTQYQLLATHVPTVWAIQYRVCQEVLEERSR  
 DVVDEVSISLRLWDTFGDHHKDRRFAYGRSDVVVLCFSIANPNLSLNVKTMWYQEIKHFCPRTPVVLVGC  
 QLDLRYADLEAVNRARRPLARPIKRGDILPPEKGREVAKELGIPYYETSVDQFGIKDVFDAIRAALIS  
 RRHLQFWKSHLKKVQKPLLQAPFLPPKAPPPVIKVPCEPSAGTSDAACLLDNPLCADVLFVLHDEEHIFA  
 HRIYLATSSSKFYDLFLMECEESPCWGGGAGEEVPCRDFQGRTOQLGSAEEGKEGPQRTQADPGASSGQ  
 DLPESLALQMEASGSEGHALSGWSKGFVSMHREVRVNPISKRVGPVTVVRLDPSMQSGPFRLLRFLYSG  
 QLDEKEKDLLGLAQMAEVLEMFDLRMMVENIMNKEAFMNQEITKAFHVRKANRIKECLSKGTFSDVTFTL  
 DDGAI SAHKPLLICSCWEAAMFGGSFVESANREVLHPNINKMSMQAVLEYLYTKQLSPNLDLPLELIA  
 LANRFCLTHLVALVEQHAVQELTKAAVSGVSDIGEVL SYLELAQFHANQLAAWCLHHICTNYSVCSKF  
 RKEIKSKSADNQEYFERHRWPPVWYLKEEDHYQVRKEREKEDLALNKHHSRRKWCWFHSSPAVA

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

**Restriction Sites:**

SgfI-MluI

**Cloning Scheme:**



**ACCN:** NM\_001252637

**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\\_001252637.1](#), [NP\\_001239566.1](#)

**RefSeq Size:** 4433 bp

**RefSeq ORF:** 2088 bp

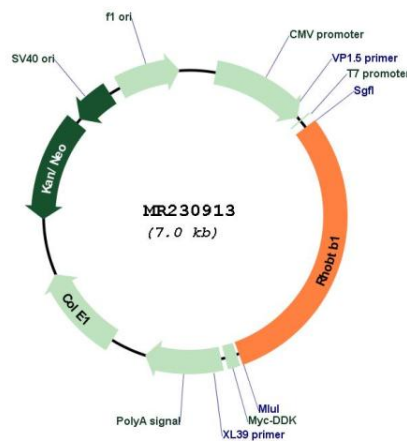
**Locus ID:** 69288

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

**Cytogenetics:** 10 B5.3

**MW:** 78.8 kDa

**Product images:**



Circular map for MR230913