

## Product datasheet for **RR207403**

### **Rhobtb1 (NM\_001107622) Rat Tagged ORF Clone**

#### **Product data:**

Product Type:	Expression Plasmids
Product Name:	Rhobtb1 (NM_001107622) Rat Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Rhobtb1
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin



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ORF Nucleotide  
Sequence:

>RR207403 representing NM\_001107622  
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
GCCGCGATCGCC

ATGGACTCTGACATGGACTACGAAAGACCAACGTTGAAACCATCAAGTGCCTGGTTGTGGGTGACAACG  
CGGTGGGAAGACTCGCCTGATCTGTGCCGGGGTGCAATACCACCCTGACACAGTACCAGCTGCTGGC  
CAGCCATGTGCCACCGTGTGGGCCATTGACCAGTACCGCGTCTGCCAAGAGGTCCTGGAGCGGTCCAGG  
GATGTTGTTGATGAAGTGAAGTCTCCCTCAGGCTTTGGGACACTTTTGGAGATCACCATAAAGACAGGC  
GTTTCGCATACGGCAGGTCGGATGTTGTGGTTCTCTGCTTATGACATCGCGAATCCCAACTCCCTAAATCA  
TGTGAAAACCATGTGGTATCAAGAAATCAAGCACTTTTGCCTCGAACACCTGTCGTTCTGGTTGGCTGC  
CAGCTAGACCTCCGCTACGCCGACCTGGAGGCTGTTAACCGGGCCAGACGCCCTTAGCAAGGCCATAA  
AGAGAGGTGATATTTGCCCCAGAAAAGGCCGCGAGGTGGCGAAGGAATTGGCATCCCGTACTATGA  
GACCAGCGTGTGGACAGTTTGGCATCAAGGACGTGTTGCAATGCCATCCGGGCAGCCCTCATCTCC  
CGCCGGCACCTGCAGTTCTGAAATCCCACTTGAAAAAGTCCAGAAGCCTCTGCTTTCAGGCGCCCTCC  
TACCTCCGAAAGCTCCTCCCGGTCATCAAAGTCCCGAGTGTCCGTCCACCGGACGAGCGACGACGAGC  
CTGTTTACTGGACAATCCCTATGCGCCGACGTCCTTTTATCCTCCACGACCAGGAGCAGATCTTTGCG  
CACCAGTTTACCTCGCTACCTCTTCTTCAAATTTCTACGACCTTTTTTAAATGGAGTGTGAAGATTCCC  
CGGTTGGAGTGGAGGAGCTGGTGGAGGAGTGCATGCAGGGATTTTCAGGGGCGGACGCAGAGTCTTGG  
AGCAGCCGAGGAAGGGCAGGAGGGCTCCAGAGGACCCCTCAGGCTGACCCAGGAGCATCTTCAGGCCAG  
GACCTCTTGGAGAGTCTGGCTTCGACAGCCGATGCCTCGGTTCCGAGGGCAGCCCTAACCGGCTGGA  
GCAAGGGGTTTGTGAGCATGCACAGGGAGGTGCGGGTCAACCCATTTCCAAGCGGTGGGCCAGTGAC  
CGTGGTCAAGGCTGGACTTTCGATGCAGTCAGGCCCTTTCCGGACCCTACTGAGATTCTCTACTCTGGG  
CAGCTGGACGAAAAGGAGAAAGATCTCCTGGGGCTAGCTCAGATGGCCGAGGTCCTGGAGATGTTTGATC  
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CGTCAGGAAAGCCAATCGGATCAAAGAATGTCTCAGTAAGGGCACCTTCTCAGATGTGACATTCACCTTG  
GATGACGGAGCCATCAGTGCCCAAGCCGCTGCTGATCTGTAGTTGCGAGTGGATGGCCGCCATGTTTCG  
GGGGCTCCTTTGTGAAAGCACCAACAGTGAAGTTCACCTTCAAACATAAACAAGATGTCCATGCAGGC  
CGTGTGGAATACCTCTACCAAGCAGTTGTGCGCCAACTTGGACCTGGACCCTCTGGAGCTAATCGCC  
TTAGCTAACAGATTTTGCCTGACACACTGGTTGCACTCGTAGAACAGCATGCCGTCCAGGAGCTCACTA  
AGGCCGCTGTGAGTGGTGTGAGCATTGATGGTGAAGTACTCTCTACTTGGAGTTGGCGCAGTTTACAA  
TGCCAACCAGCTAGCCGCTGGTGTTCATCAGTCTGCACCAACTACAACAGCGTCTGTTTCAAAGTTC  
CGCAAGGAAATCAAATCCAAGTCAGCAGACAACCAGGAGTACTTTGAACGCCACCCTGGCCCCCTGTGT  
GGTACCTTAAGGAGGAAGACCTACCAGCGTGTGAAGAGGGAACGAGAGAAAGAGGACCTGGCGCTGAA  
CAAGCACCATTGAGGAGAAAGTGGTGTTCGTCATCCGTCCCGAGCCGTGGCC

ACGCGTACGCGGGCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
ACAAGGATGACGACGATAAGGTTTAA

**Protein Sequence:** >RR207403 representing NM\_001107622  
 Red=Cloning site Green=Tags(s)

MDSMDYERPNETIKCVVVDNAV GKTRLICARACNTTLTQYQLLATHVPTVWAI DQYRVCQEVLE RSR  
 DVVDEVSISLR LWDTFGDH HKDRRFAYGRSDVVVLCFSIANPNSLNHVKT MWYQEI KHFCPRTPVVLVGC  
 QLDLRYADLEAVNRARRPLARPIKRGDILPPEKGREVAKELGIPYYETS VFDQFGIKDVF DNAI RAALIS  
 RRHLQFWKSHLKKVQKPLLQAPFLPPKAPPPVIK VPECPSTGTSDAACLLDNPLCADVLFILHDQEHIFA  
 HRIYLATSSSKFYDLFLMECEDSPGW SGGAGEEVPCRDFQGR TQSLGAAEEGQEGSQRT P QADPGASSGQ  
 DLLESLASQTDASVSEAHAL TGWSKGFVSMHREVRVNPISKRVGPVTVVRLDSSMQSGPFR TLLRFLYSG  
 QLDEKEKDLLGLAQMAEVLEMFDLRMMVENIMNKEAFMNQEITKAFHVRKANRIKECLSKGTFSDVTF TL  
 DDGAI SAHKPLLIC SCEWMAAMFGGSFVESTNSEVHLPNINKMSMQAVLELYTKQLSPNLDLDPLELIA  
 LANRFCLTHLVALVEQH AVQELTKAAVSGV SIDGEVLSYLELAQFHANQLAAWCLHHICTNYSVCSKF  
 RKEIKSKSADNQEYFERHRWPPVWYLKEEDHYQRVKREREKEDLALNKHHSRRKWCFWHPSAVA

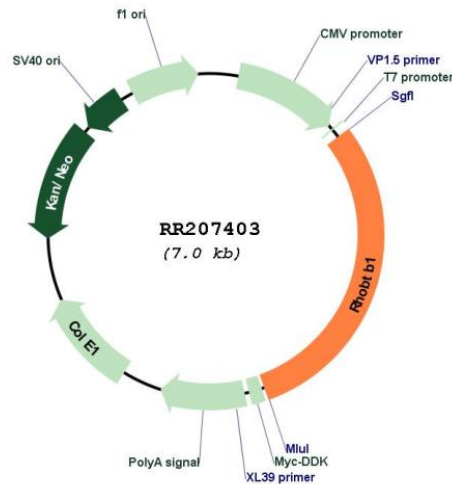
TRTRPLEQKLISEEDLAANDILDYKDDDDKV

**Restriction Sites:**

SgfI-MluI

**Cloning Scheme:**



**Plasmid Map:**


**ACCN:** NM\_001107622

**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\\_001107622.1](#), [NP\\_001101092.1](#)

RefSeq Size: 5089 bp  
RefSeq ORF: 2088 bp  
Locus ID: 309722  
Cytogenetics: 20p11  
MW: 78.8 kDa