

Product datasheet for **MR230563**

Rhobtb1 (NM_001252638) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Rhobtb1 (NM_001252638) Mouse Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Rhobtb1
Synonyms:	1700008H16Rik; 3110048G13Rik; AI173445; AI573858; AV350930
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin



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ORF Nucleotide Sequence:

>MR230563 representing NM_001252638
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGCATCGCC**

ATGTGGTATCAAGAAATCAAGCACTTTTGCCTCGAACGCCCGTCGTCCTGGTTGGCTGCCAGCTAGACC
 TCCGCTACGCCGACCTGGAGGCTGTTAACCGGGCCAGACGCCCTTAGCAAGGCCATAAAGAGAGGTGA
 CATTTTGCCTCCAGAAAAAGGCCGCGAGGTGGCGAAGGAACTTGGCATCCCGTACTACGAGACCAGCGTG
 TTTGACCAGTTTGGCATCAAGGACGTGTTGCACAATGCCATCCGAGCAGCCCTCATCTCCCGCCGGCACC
 TGCAGTTCTGGAAATCCCACTTGAAAAAGTCCAGAAGCCTCTGCTTCAGGCGCCCTTCTACCTCCGAA
 AGCTCCTCCCGGTCATCAAGTCCCGAGTGTCCGTCGCGGGGACCAGCGATGCTGCCTGTTTACTG
 GACAACCCCTGTGCGCCGACGTCTCTCGTTCTCCATGACGAGGAGCACATCTTTGCGCACCGCATT
 ACCTCGTACCTCTTCTCCAAATCTACGACCTTTTTTAATGGAGTGTGAAGAATCCCCTTGTGGGG
 TGGAGGAGCTGGTGGAGGTTGCCGTGCAGGGATTTTCAGGGCGGACGCAGAGTCTTGATCAGCCGAG
 GAAGGGAAGGAGGGCCCCAGAGGACCCCTCAGGCTGACCCAGGAGCGTCTTCAGGCCAGGACCTGCCTG
 AGAGTTTGGCTTTCAGATGGAAGCCTCGGGTTCGAGGGACACGCCCTGTCGGCTGGAGCAAGGGGT
 TGTGAGCATGCACAGGGAGTGCAGGTCACCCATTTCCAAGCGGGTGGGCCAGTGACCGTGGTCAGG
 CTGGACCCATCGATGCAGTCAAGCCCTTCCGGACCTGCTGAGATTCCTCTACTCTGGGCGAGTGGACG
 AAAAGGAAAAAGATCTGCTGGGGCTGGCTCAGATGGCCGAGGTCCTGGAGATGTTTGTATCTGAGGATGAT
 GGTAGAGAATATCATGAACAAGGAGGCTTTTATGAACCAGGAGATCACGAAAGCCTTCCACGTCCGAAA
 GCCAATCGGATCAAGAATGTCTCAGCAAGGGCACCTTCTCAGACGTGACATTTACCTGGATGACGGAG
 CCATCAGCGCCCCACAAGCCGCTGCTGATCTGAGCTGCGAATGGATGGCGGCCATGTTCCGGGGTTCCTT
 TGTGAAAAGCGCCAACCGTGGAGTTCACCTCCCAAATATAAACAAGATGTCGATGCAGGCGGTGTTGAA
 TACCTCTACACCAAGCAGTTGTACCCAACTTGGACCTGGACCCCTGGAGTTAATTGCCTTGGCAAACA
 GATTTTGCCTGACACACTTGGTTGCTCTCGTAGAGCAGCATGCTGTCCAGGAGCTACCAAGGCCGCTGT
 CAGTGGTGTGAGCATCGATGGTGAAGTTCTCTCTACTTGGAGCTGGCACAGTTTACAATGCCAATCAG
 CTAGCTGCCTGGTGTTCATCACATCTGCACCAACTACAACAGCGTCTGTTCCAAGTCCGCAAGGAAA
 TCAAATCCAAGTCAGCAGACAACCAGGAGTACTTTGAGCGGCACCCTGGCCCCCTGTGTGTACCTGAA
 GGAGGAAGACCACTACCAGCGTGTGAAGAGGGAACGAGAGAAAGAGGACCTGGCGCTGAACAAGCACCAT
 TCAAGGAGAAAGTGGTGTCTGGCATTCTCCAGCTGTCGCC

ACGCGTACGCGGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence:

>MR230563 representing NM_001252638
 Red=Cloning site Green=Tags(s)

MWYQEIKHFCPRTPVVLVGCQLDLRYADLEAVNRARRPLARPIKRGDILPPEKGREVAKELGIPYYETS
 FDQFGIKDVFDNAIRAALISRRHLQFWKSHLKKVQKPLLQAPFLPPKAPPPVIKVPCEPSAGTSDAACLL
 DNPLCADVLFVLHDEEHIFAHRIYLATSSKFYDLFLMECEESPCWGGGAGEEVP CRDFQGR TQSLGSAE
 EGKEGPQRTPQADPGASSGQDLPESLALQMEASGSEGHALSGWSKGFVSMHREVRVNPISKRVPVTVVR
 LDPSMQSGPFRLLRFLYSGQLDEKEDLLGLAQMAEVLEMFDLRMMVENIMNKEAFMNQEITKAFHVRK
 ANRIKECLSKGTFSDVTFLLDDGAI SAHKPLL ICSEWMAAMFGGSFVESANREVHLPNINKMSMQAVLE
 YLYTKQLSPNLDLPLELIALANRFCLTHLVALVEQHAVQELTKAAVSGV SIDGEVLSYLELAQFHANQ
 LAAWCLHHICTNYNSVSKFRKEIKSKSADNQEYFERHRWPPVWYLKEEDHYQRVREKEDLALNKH
 SRRKWCFWHSSPAVA

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites:

Sgfl-Mlul

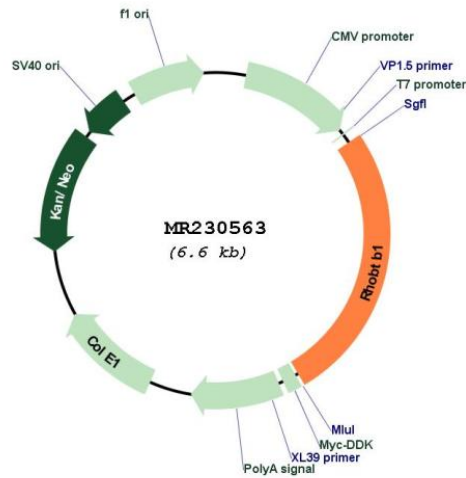
Cloning Scheme:

Cloning sites used for ORF Shutting:



* The last codon before the Stop codon of the ORF

Plasmid Map:



ACCN: NM_001252638

ORF Size: 1725 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:	<ol style="list-style-type: none"> 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_001252638.1 , NP_001239567.1
RefSeq Size:	4492 bp
RefSeq ORF:	1728 bp
Locus ID:	69288
Cytogenetics:	10 B5.3
MW:	65.6 kDa