

Product datasheet for **MR210092**

Rhobtb1 (NM_001081347) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Rhobtb1 (NM_001081347) 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:**

>MR210092 ORF sequence
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGGATCGCC**

ATGGACTCTGACATGGACTACGAACGACCAACGTTGAGACCATCAAGTGCCTGGTGGTGGCGACAACG
 CCGTAGGGAAGACGCGCCTCATCTGTGCCGGGCTGCAACACCACCCTGACACAGTACCAGCTGCTGGC
 CACCCATGTGCCACCGTGTGGGCCATTGATCAGTACCGTGTCTGCCAGGAGTCTGGAGCGGTCCAGG
 GATGTCGTCGATGAAGTGAAGTCTCCCTCAGGCTTTGGGACACGTTTGGAGATCACCACAAAGACAGGC
 GGTTCGCATATGGCAGGTCGGATGTTGTGGTCTCTGCTTTAGCATCGCGAACCCCAACTCCCTAAATCA
 TGTGAAAACCATGTGGTATCAAGAAATCAAGCACTTTTGCCTCGAACGCCCGTCTGCTGGTTGGCTGC
 CAGCTAGACCTCCGCTACGCCACCTGGAGGCTGTTAACCGGGCCAGACGCCCTTAGCAAGGCCATAA
 AGAGAGGTGACATTTGCCCCAGAAAAGGCCCGGAGGTGGCGAAGGAATTGGCATCCCGTACTACGA
 GACCAGCGTGTGGTACCAGTTTGGCATCAAGGACGTGTTGCAATGCCATCCGAGCAGCCCTCATCTCC
 CGCCGGCACCTGCAGTTCTGGAAATCCCACTTGAAAAAGTCCAGAAGCCTCTGCTTCAGGCGCCCTCC
 TACCTCCGAAAGCTCCTCCCGGTCATCAAGTCCCGAGTGTCCGTCGCGGGGACCAGCGATGCTGC
 CTGTTTACTGGACAACCCCTGTGCGCCGACGTCCTCTTCTGTTCTCCATGACCAGGAGCAGATCTTTGCG
 CACCGCATTTACCTCGCTACCTCTTCTTCAAATTTCTACGACCTTTTTTAAATGGAGTGTGAAGAATCCC
 CTTGTTGGGGTGGAGGAGCTGGTGAAGGAGTCCGTCAGGGATTTTCAGGGGCGGACGCAGAGTCTTGG
 ATCAGCCGAGGAAGGGAAGGAGGGCCCCAGAGGACCCCTCAGGCTGACCAGGAGCGTCTTCAGGCCAG
 GACCTGCCTGAGAGTTTGGCTTTGCAGATGGAAGCCTCGGGTCCGAGGGACACGCCCTGTCCGGCTGGA
 GCAAGGGGTTTGTGAGCATGCACAGGAGGTGCGGGTCAACCCATTTCCAAGCGGTGGGCCAGTGAC
 CGTGGTCAAGGCTGGACCCATCGATGCAGTCAGGCCCTTCCGGACACTGCTGAGATTCTCTACTCTGGG
 CAGCTGGACGAAAAGGAAAAGATCTGCTGGGGCTGGCTCAGATGGCCGAGGTCCTGGAGATGTTTGATC
 TGAGGATGATGGTAGAGAATATCATGAACAAGGAGGCTTTTATGAACCAGGAGATCACGAAAGCCTTCCA
 CGTCCGAAAGCCAATCGGATCAAAGAATGTCTCAGCAAGGGCACCTTCTCAGACGTGACATTTACCTTG
 GATGACGGAGCCATCAGCGCCACAAGCCGCTGCTGATCTGTAGCTGCGAATGGATGGCGGCCATGTTTCG
 GGGTTCTTTGTGAAAGCGCCAACCGTGAAGTTCACCTCCCAATATAACAAGATGTCGATGCAGGC
 GGTGTTGGAATACCTCTACACCAAGCAGTTGTACCCAACTTGGACCTGGACCCCTGGAGTTAATTGCC
 TTGGCAAACAGATTTTGCCTGACACACTTGTTGCTCTCGTAGAGCAGCATGCTGTCCAGGAGCTACCA
 AGGCCGCTGTGAGTGGTGTGAGCATCGATGGTGAAGTTCTCTCTACTTGGAGCTGGCACAGTTTACAA
 TGCCAATCAGCTAGCTGCCTGGTGTGTCATCACATCTGCACCAACTACAACAGCGTCTGTTTCAAGTTC
 CGCAAGGAAATCAAATCCAAGTCAGCAGACAACCAGGAGTACTTTGAGCGGCACCCTGGCCCCCTGTGT
 GGTACCTGAAGGAGGAAGACCACTACCAGCGTGTGAAGAGGGAACGAGAGAAAGAGGACCTGGCGCTGAA
 CAAGCACCATTCAAGGAGAAAGTGGTGTCTGGCATTCTGCCCCAGCTGTCGCC

ACGCGTACGCGGGCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence: >MR210092 protein sequence
Red=Cloning site Green=Tags(s)

MDSMDYERPNETIKCVVVDNAVGKTRLICARACNTTLTQYQLLATHVPTVWAIQYRVCQEVLEERSR
 DVVDEVSISLRLWDTFGDHHKDRRFAYGRSDVVVLCFSIANPNSLNHVKTMMWYQEIKHFCPRTPVVLVGC
 QLDLRYADLEAVNRARRPLARPIKRGDILPPEKGREVAKELGIPYYETSVDQFGIKDVFDAIRAALIS
 RRHLQFWKSHLKKVQKPLLQAPFLPPKAPPPVIKVPCEPSAGTSDAACLLDNPLCADVLFVLHDQEHIFA
 HRIYLATSSSKFYDLFLMECEESPCWGGGAGEEVPCRDFQGRTOQLGSAEEGKEGPQRTQADPGASSGQ
 DLPESLALQMEASGSEGHALSGWSKGFVSMHREVRVNPISKRVGPVTVVRLDPSMQSGPFRLLRFLYSG
 QLDEKEKDLLGLAQMAEVLEMFDLRMMVENIMNKEAFMNQEITKAFHVRKANRIKECLSKGTFSDVTFTL
 DDGAI SAHKPLLICSCWEAAMFGGSFVESANREVLHPNINKMSMQAVLEYLYTKQLSPNLDLPLELIA
 LANRFCLTHLVALVEQHAVQELTKAAVSGVSDIGEVL SYLELAQFHANQLAAWCLHHICTNYSVCSKF
 RKEIKSKSADNQEYFERHRWPPVWYLKEEDHYQVRKEREKEDLALNKHHSRRKWCWFHSSPAVA

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites:

SgfI-MluI

Cloning Scheme:



ACCN: NM_001081347

ORF Size: 2088 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_001081347.1](#), [NP_001074816.1](#)

RefSeq Size: 4329 bp

RefSeq ORF: 2088 bp

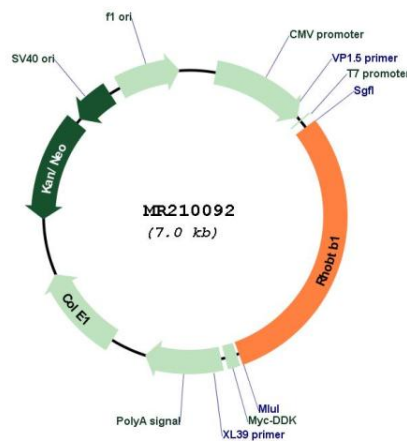
Locus ID: 69288

UniProt ID: [Q9DAK3](#)

Cytogenetics: 10 B5.3

MW: 78.8 kDa

Product images:



Circular map for MR210092