

Product datasheet for **RR208957**

Rhobtb2 (NM_001013133) Rat Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Rhobtb2 (NM_001013133) Rat Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Rhobtb2
Synonyms:	MGC109268
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



[View online »](#)

ORF Nucleotide Sequence:

>RR208957 representing NM_001013133
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGCATCGCC**

ATGGATTCTGACATGGATTATGAAAGGCCAAACGTAGAGACCATCAAGTGCCTGGTGGTGGGGACAACG
 CTGTGGGCAAGACTAGGCTCATCTGTGCCGGGCTGCAATGCCACCCTTACCCAGTATCAGCTGCTTGC
 CACCCATGTGCCACAGTGTGGCCATCGACCAGTATCGTGTATGCCAGGAGGTGCTAGAACGCTCCCGA
 GATGTCGTAGATGATGTTAGTGTCTCCCTGCGCCTCTGGGACACCTTCGGAGACCACCACAAAGATCGAC
 GTTTTGTCTATGGAAGATCCGATGTGGTGGTTTTGTGTTCTCCATTGCCAACCTAATCCCTCCACCA
 TGTCAAGACCATGTGGTACCCAGAAATCAAGCATTCTGCCCCAGAGCTCCTGTTATTCTGGTGGGCTGC
 CAGCTGGACCTGCGCTATGCTGACCTGGAAGCCGTTAACAGGGCCAGAAGACCTTTGGCTAGGCCATCA
 AGCCCAATGAAATCCTCCCCCAGAGAAGGGTCGGGAAGTGCCAAAGAGCTGGGGATCCCTTACTACGA
 GACCAGCGTGGTGGCACAGTTTGGTATCAAGGACGTCTTTGACAATGCCATCCGGGCTGCACTCATCTCT
 CGCCGCCACCTGCAGTTCTGAAATCTCATCTGCGCAATGTGCAGCGCCCTTTCTGCAAGCACCTTCC
 TCCCCCAAGCCACCGCCCCCTATCATCGTGGTGCCCGACCCCCCTCCAGCAGCGAGGAGTGCCCGC
 CCACCTCTGGAAGACCCGCTCTGTGCGGATGTATCCTGGTGTGCAGGAGCGCGTGGCATCTTTGCC
 CAAAAATCTACCTCTCCACCTCTCTCCAAATCTATGACTTATTCTCATGGACCTGAGTGAGGGGG
 AGCTGGGGGGCCCTCAGGGCCAGGGGGCCCCCGCCAGAGGACCACCGGAGCTACCCTGAGCAACTA
 CCATCATCACCATCACCACCATGGGCGGACTTCTGCTTCGGGCAGCCAGCTTTGACGTATGTGAGAGT
 GTGGACGAGGCTGGGGCTCTGGTCCAGCTGGCCTCAGAGCTTCAACCAGTGACGGGATCTTACGGGGTA
 ATGGAACAGGGTACCTGCCAGGCAGAGGACGTGTGCTTCCCTGGAGCAGAGCTTTTGTGAGTATCCA
 GGAAGAGATGGCAGAAGATCCTCTGACCTTCAAATCCCGCTGATGGTGGTGGTGAAGATGGATAACTCC
 ATTCAGCCCGGGCCCTTCGGGGTGTCTCAAGTACCTGTACACAGGGGAGCTAGGTGAGAATGAGCGGG
 ACCTCATGCATATCGCTCACATTGCCGAGCTGCTAGAGGTCTTTGATCTACGTATGATGGTGGCCAACAT
 TCTCAACAACGAGGCCTTCATGAATCAGGAGATCACCAAGGCCTTCCATGTACGCCGGACCAACCGGGT
 AAGGAGTGTGGCAAAGGGCACCTTTTCAGATGTGACCTTATCCTGGATGATGGGACCATCAGCGCCC
 ATAAGCCTCTGCTGATTTCCAGCTGTGACTGGATGGCTGCCATGTTTGGGGACCATTTGTGGAGAGTTC
 TACCAGGGAGGTGGTGTTCATACACAAGCAAGAGCTGCATGAGGGCTGTGTTGGAGTACCTCTACACG
 GGCATGTTACCTCCAGCCAGACCTGGATGATATGAAGCTCATCGTCCGGCTAACCGCCTCTGCCTGC
 CGCACTTGGTTGCCCTCACAGAGCAGTACACAGTACTGGACTGATGGAGGCAACCCAGATGATGGTGG
 ATCGATGGGGATGTCCTTGTATTCTGGAATTGGCACAGTTCCTGCGGTACCAAGTTGGCCGACTGG
 TGTCTTACCACATTTGCACCAACTACAACAACGTGTGCCGCAAGTTCCTCGAGACATGAAGGCTATGT
 CTCCAGAAAACAGGAGTACTTTGAGAAGCACCAGTGGCCGCCAGTCTGGTACCTGAAAGAAGAGGACCA
 CTATCAGCGTGCAGGGAAGGAGCGAGAGAAGGAGGACTATTTACACCTGCGGAGGCAGCCCAAGCGCGG
 TGGCTGTTTTGGAACAGTCCTTCATCACCGTCTCCTCAGCAGCGGGCTCGGCATCCCCATCCTCCTCT
 CCTCAGCTGTGGTC

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence: >RR208957 representing NM_001013133
Red=Cloning site Green=Tags(s)

MDSMDYERPNETIKCVVVDNAVKGTRLCARACNATLTQYQLLATHVPTVWAIQYRVCQEVLEERSR
 DVVDDVSLSRLWDTFGDHHKDRRFAYGRSDVVVLCFSIANPNSLHHVKTMWYPEIKHF CPRAPVILVGC
 QLDLRYADLEAVNRARRPLARPIKPNEILPPEKGREVAKELGIPYYETSVAQFGIKDVFDAIRAALIS
 RRHLQFWKSHLRNVQRPLLQAPFLPPKPPPIIIVPDPSSSECPAHLLEDPLCADVILVQERVIFA
 HKIYLSTSSKFYDLFLMDLSEGELGGPSGGPRPEDHRSYPEQHYHHHHHHHGRDFLLRAASFDVCS
 VDEAGSGPAGLRASTSDGILRGNGTGYPGRGRVLSWSRAFVSIQEEMAEDPLTFKSRLMVVVKMDNS
 IQPGPFRAVLKYLTYGELGENERDLMHIAHIAELLEFDLRMMVANILNNEAFMNQEITKAFHVRRTNRV
 KECLAKGTFSDVTFILDDGTISAHKPLLISSCDWMAAMFGGPFVESSTREVVFPYTSKSCMRAVLEYLYT
 GMFTSSPDLDDMKLIVLANRLCLPHLVALTEQYVTGLMEATQMMVDIDGDVLFLELAQFHCAYQLADW
 CLHHICTNYYNCRKFPKPRDMKAMSPENQYEFKHRWPPVWYLKEEDHYQRARKEREKEDYLHLRRQPKRR
 WLFWNSPSSPSSAAGSASPSSSSSAVV

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites:

Sgfl-MluI

Cloning Scheme:

Cloning sites used for ORF Shuttling:



* The last codon before the Stop codon of the ORF

ACCN: NM_001013133

ORF Size: 2184 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_001013133.1](#), [NP_001013151.1](#)

RefSeq Size: 2903 bp

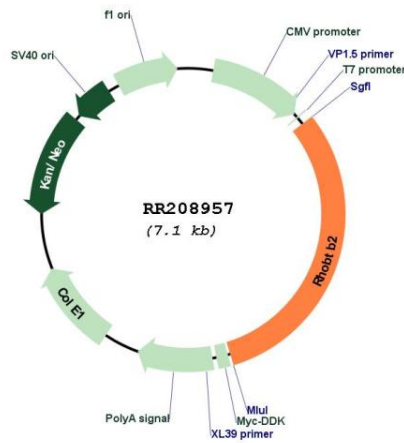
RefSeq ORF: 2187 bp

Locus ID: 306004

Cytogenetics: 15p11

MW: 82.7 kDa

Product images:



Circular map for RR208957