

## Product datasheet for **MR217393**

### **Rcbtb2 (NM\_134083) Mouse Tagged ORF Clone**

#### **Product data:**

Product Type:	Expression Plasmids
Product Name:	Rcbtb2 (NM_134083) Mouse Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Rcbtb2
Synonyms:	2610028E02Rik; 2810420M18Rik; AI448345; AW240694; Chc1l; RC/BTB2
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



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**ORF Nucleotide Sequence:**

>MR217393 ORF sequence  
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
 GCC**CGCATCGCC**

ATGGAAGAAGAAGTGCCTGGTTTCTATGGAGAAGTGGCAAGTCAGTACAGGCTACCTGTCATCGTTGA  
 AGATGTTAGATGTGGAAAGTGGCCAATTTTTCCCTTTGTTCTGAGGAAGATACAGTTGATTGTCGA  
 GGCTTGTGTCTTCGCGCAGTGTGCAATGAAGTTTATACACTACAGTCAACGATGAGATTTTTGTGCTT  
 GGCACAACTGCAGTGGCTGTCTGGGGTAGGCGACATTCAGAGCACTATTGAGCCTCGGAGACTGGATT  
 CTCTAACTGGCAAAAAATAGCCAGCCTCAGCTATGGGAGTGGCCCTCATATCGTCCTTGCACAACAGA  
 TGGAGAAGTCTTTACCTGGGGTCAATGCTTATAGCCAGCTGGGCAATGGGACAACGAATCATGGTTTA  
 GTGCCCTGCCATATCTCTACGAATTTGTCAAACAACAAGTCATTGAGGTCGCTGTGGGCTTACCCT  
 CTTTGGTTCTAACATCTGATGGGAGGTGTTGCCTGGGTTATAATAACTCAGGGCAAGTAGGATCTGG  
 ATCAACAGCTAACAGCCATTCCCGAAGAGTCACTGGATGCTTGCAGAATAAAGTAGTTATGAACATA  
 GCATGTGGGCAGATGTGCTCCATGGCTGTTGTGGACACTGGAGAGGTCTACGTCTGGGGTTACAATGGCA  
 ATGGGCAGCTGGGCTGGGCAGCAGTGGCAACCCAGCCACCCATGCAGAGTGGCCGCCCTGCAAGGCAT  
 CCGTGTCCAGCGGTTGCCTGTGGCTACGCACACACATTAGTATTAACAGATGAAGGTCAAATATATGCT  
 TGGGGTGCAAAATCTTATGGCCAGTTGGGCACTGGCAATAAAAGTAACAGTCCATCCTACCCCTGTTG  
 TTGTGGAAAAGGACAGAATCATAGAGATTGCAGCCTGTCACTCTGCCACACATCTGCTGCCAAGACACA  
 AGGTGGCACGTGTACATGTGGGGCCAGTGCAGGGCCAGTCGGTGATCCTTCCACACCACACTCACTTC  
 TGCTGCACCGATGACGTGTTGCCTGCTCGCCACCCCGGCTGTACCTGGCGCCTTCTCTCCGTGGAAC  
 CTGACGACCACCTCACTGTGGCCGAGTCTCTGAAGAGGGAGTTTGACAACCCTGACACTGCAGACCTCAA  
 GTTTCTGGTTGATGGAAAATACATTTATGCTCACAAAGTCCTTCTCAAAATTAGGTGTGAACATTTTCGT  
 TCTTCATTAGAAGACAGTGAAGACGATATTGTAGAAATGAGCGAGTTTTCGTATCCTGTGTTCCGAGCTT  
 TCCTGGAGTATCTATACACAGATAACATCAGCCTATCTCCTGAGGAGGCAGTAGGGTTGCTAGATCTGGC  
 TACATTTTACAGTGAAGTCTGCTGCTGTCAACAACTATCAAGCAAGGAATCTGTGAGGAG  
 AATGCTATTGCTCTGCTCTGCTGTCAAGTATGATGCCAGGACTAGAAGAGTTCTGCTTACAGT  
 TCTGCATCAACCATCTGACTGTAGTAACACAACGTCAGGCTTTGCAGAAATGGACCACGATCTTCTAAA  
 GAACCTTATCAGCAAAGCCAGCAGAGTTGGAGCCTTTAAGAAC

**ACGCGT**ACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
 ACAAGGATGACGACGATAAGGTTTAA

**Protein Sequence:**

>MR217393 protein sequence  
 Red=Cloning site Green=Tags(s)

MEEEVPGFYGESGKSVQATLSSLKMLDVGKWIIFSLCSEEEQLIRQACVFGSAGNEVLYTTVNDEIFVL  
 GTNCSGCLGVGDIQSTIEPRRLDSLTKKIASLSYSGSPHIVLATTDGEVFTWGHNAYSQLGNGTTNHGL  
 VPCHISTNLSNKQVIEVACGSYHSLVLTSDGEVFAWYNNNSQVGSSTANQPIPRRVTGCLQNKVVMNI  
 ACGQMCSMAVVDTEVYVWYNGNGQLGLGSSGNQPTPCRVAALQGIRVQRVACGYAHTLVLTDEGQIYA  
 WGANSYQLGTGNKSNQSYPTPVVVEKDRIEIEIAACHSAHTSAKTQGGHVYMWGQCRGQSVILPHHTF  
 CCTDDVFAFATPAVTRLLSVEPDDHLTVAESLKREFDNPDTADLKFLVDGKYIYAHKVLKIRCEHFR  
 SSLEDDIVEMSEFSYPVFRFLEYLYTDNISLSPEEAVGLLDLATFYSETRLKCLKQQTIKQGICEE  
 NAIALLSAVKYDAQDLEEF CFRFCINHLTVVTQTSGFAEMDHLLKNFISKASRVGAFKN

**TR**TRPLEQKLI SEEDLAANDILDYKDDDDKV

**Restriction Sites:**

Sgfl-MluI

**Cloning Scheme:**


**ACCN:** NM\_134083

**ORF Size:** 1656 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\\_134083.4](#), [NP\\_598844.3](#)

**RefSeq Size:** 3406 bp

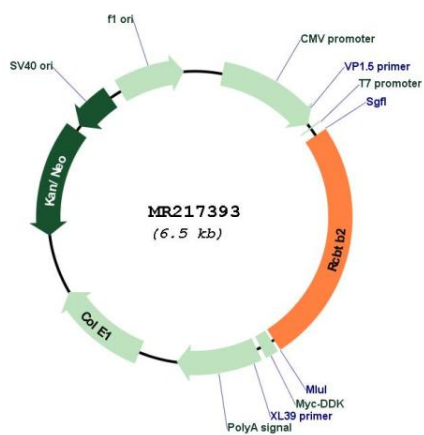
**RefSeq ORF:** 1656 bp

**Locus ID:** 105670

**UniProt ID:** [Q99LJ7](#)

Cytogenetics: 14 D3  
 MW: 60.2 kDa

**Product images:**



Circular map for MR217393