

Product datasheet for **MR208751**

Rcbtb2 (NM_001170694) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Rcbtb2 (NM_001170694) 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:

>MR208751 ORF sequence
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGCATCGCC**

ATGGAAGAAGAAGTGCCTGGTTTCTATGGAGAAGTGGCAAGTCAGTACAGGCTACCTGTCATCGTTGA
 AGATGTTAGATGTGGAAAGTGGCCAATTTTTCCCTTTGTTCTGAGGAAGATACAGTTGATTGTC
 GCCTTGTTCTTCGCGCAGTGTGCAATGAAGTTTATACACTACAGTCAACGATGAGATTTTTGTGCTT
 GGCACAACTGCAGTGGCTGTCTGGGGTAGGCGACATTCAGAGCACTATTGAGCCTCGGAGACTGGATT
 CTCTAACTGGCAAAAAATAGCCAGCCTCAGCTATGGGAGTGGCCCTCATATCGTCCTTGCACAACAGA
 TGGAGAAGTCTTTACCTGGGGTCAATGCTTATAGCCAGCTGGGCAATGGGACAACGAATCATGGTTTA
 GTGCCCTGCCATATCTCTACGAATTTGTCAAACAACAAGTCATTGAGGTCGCTGTGGGCTTACCCT
 CTTTGGTTCTAACATCTGATGGGAGGTGTTGCCTGGGTTATAATAACTCAGGGCAAGTAGGATCTGG
 ATCAACAGCTAACAGCCATTCCCGAAGAGTCACTGGATGCTTGCAGAATAAAGTAGTTATGAACATA
 GCATGTGGGCAGATGTGCTCCATGGCTGTTGTGGACACTGGAGAGGTCTACGTCTGGGGTTACAATGGCA
 ATGGGCAGCTGGGCTGGGCAGCAGTGGCAACCCAGCCACCCATGCAGAGTGGCCGCCCTGCAAGGCAT
 CCGTGTCCAGCGGTTGCCTGTGGCTACGCACACACATTAGTATTAACAGATGAAGGTCAAATATATGCT
 TGGGGTGCAAAATCTTATGGCCAGTTGGGCACTGGCAATAAAAGTAAACAGTCTATCCTACCCCTGTTG
 TTGTGGAAAAGGACAGAATCATAGAGATTGCAGCCTGTCACTCTGCCACACATCTGCTGCCAAGACACA
 AGGTGGGCACGTGTACATGTGGGGCCAGTGCAGGGCCAGTGGTGTATCCTTCCACACCACACTCACTTC
 TGCTGCACCGATGACGTGTTGCCTGCTCGCCACCCCGGCTGTACCTGGCGCCTTCTCTCCGTGGAAC
 CTGACGACCACCTCACTGTGGCCGAGTCTCTGAAGAGGGAGTTTGACAACCCTGACACTGCAGACCTCAA
 GTTTCTGGTTGATGGAAAATACATTTATGCTCACAAAGTCTTCTCAAATAGGTGTGAACATTTTCGT
 TCTTCATTAGAAGACAGTGAAGACGATATTGTAGAAATGAGCGAGTTTTCGTATCCTGTGTTCCGAGCTT
 TCCTGGAGTATCTATACACAGATAACATCAGCCTATCTCCTGAGGAGGCAGTAGGTTGCTAGATCTGGC
 TACATTTTACAGTGAAGTCTGCTGCTGTCAACAACTATCAAGCAAGGAATCTGTGAGGAG
 AATGCTATTGCTCTGCTCTGCTGTCAAGTATGATGCCAGGACTAGAAGAGTTCTGCTTCAAGT
 TCTGCATCAACCATCTGACTGTAGTAACACAACGTCAGGCTTTCAGAAATGGACCACGATCTTCTAAA
 GAACCTTATCAGCAAAGCCAGCAGAGTTGGAGCCTTAAAGAAC

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence:

>MR208751 protein sequence
 Red=Cloning site Green=Tags(s)

MEEEVPGFYGESGKSVQATLSSLKMLDVGKWIIFSLCSEEEQLIRQACVFGSAGNEVLYTTVNDEIFVL
 GTNCSGCLGVGDIQSTIEPRRLDSLTKKIASLSYSGSPHIVLATTDGEVFTWGHNAYSQLGNGTTNHGL
 VPCHISTNLSNKQVIEVACGSYHSLVLTSDGEVFAWYNNNSQVGSSTANQPIPRRVTGCLQNKVVMNI
 ACGQMCSMAVVDTEVYVWYNGNGQLGLGSSGNQPTPCRVAALQGIRVQRVACGYAHTLVLTDEGQIYA
 WGANSYQLGTGNKSNQSYPTPVVVEKDRIEIEAACHSAHTSAKTQGGHVYMWGQCRGQSVILPHHTHF
 CCTDDVFACFATPAVTRLLSVEPDDHLTVAESLKREFDNPDTADLKFLVDGKYIYAHKVLKIRCEHFR
 SSLEDDIVEMSEFSYPVFRAFLEYLYTDNISLSPEEAVGLLDLATFYSETRLKCLKQQTIKQGICEE
 NAIALLSAAVKYDAQDLEEF CFRFCINHLTVVTQTSGFAEMDHLLKNFISKASRVGAFKN

TRTRPLEQKLI SEEDLAANDILDYKDDDDKV

Restriction Sites:

Sgfl-MluI

Cloning Scheme:


ACCN: NM_001170694

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_001170694.1](#), [NP_001164165.1](#)

RefSeq Size: 3411 bp

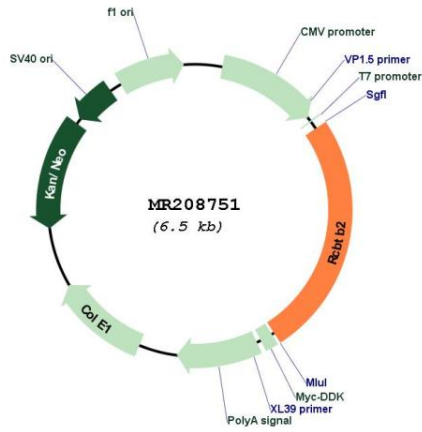
RefSeq ORF: 1656 bp

Locus ID: 105670

UniProt ID: [Q99LJ7](#)

Cytogenetics: 14 D3
 MW: 60.2 kDa

Product images:



Circular map for MR208751