

Product datasheet for **RR209344**

Rcbtb2 (NM_199084) Rat Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Rcbtb2 (NM_199084) Rat Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Rcbtb2
Synonyms:	Chc1l
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin



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ORF Nucleotide Sequence:

>RR209344 representing NM_199084
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGCATCGCC**

ATGGAAGAAGAAGTACCTGGTTTCTATGGAGAAGTGCCAAGTACGTACAGGCTACCTGTCGTCGTTGA
 AGATGTTAGATGTGGAAAGTGCCAATCTTCCCTTTGTTCTGAGGAAGAGCTGCAGTTGATTGCCA
 GGCTTGTGTCTTCGCGCACGGCTGGCAATGAAGTTTATACACTACGGTCAACGATGAGATTTTTGTTCTT
 GGCACAACTGCAGTGGCTGTCTGGGGTAGGTGACATTCAGAGCACTATTGAGCCTCGGAGACTGGATT
 CTTTAACTGGCAAAAAATAGCCAGCCTCAGCTATGGGAGTGGCCACATATCGTCCTTGAACCCACAGA
 TGGAGAAGTCTTACCTGGGGTCAATGCATATAGCCAGCTGGGCAATGGGACAACGAACCATGGTCTA
 GTGCCCTGCCATATCTACCAATCTGTCAAACAAGCAAGTCATCGAGGTCGCTGTGGGTCTTACCATT
 CTTTGGTCTAACATCTGATGGAGAGGTATTTGCCTGGGGCTATAACAACCTGGGCAAGTAGGATCCGG
 ATCAACAGCTAACAGCCATTCTCGAAGAGTCACTGGATGTCTGCAGAATAAAGTAGTTATGAGCATA
 GCGTGTGGGCAGATGTGTCAATGGCCGTTGTGGACACCGGAGAGGTCTACGTCTGGGGCTACAACGGGA
 ATGGGCAGCTGGGCTCGGCAGCAGTGGCAACAGCCGACCCCGTGCAGAGTGGCGGCCCTGCAAGGCAT
 CCGTGTCCAGCGGTTGCCTGTGGCTACGCACACACATTAGTGTTAACAGATGAAGGTCAAATATATGCT
 TGGGGTGCAAAATCTTATGGCCAGTTGGGCACTGGCAATAAAAGTAACAGTCTCTACCTACCCCTGTTG
 TTGTGGAAAAGGACAGAATCATAGAGATTGCAGCCTGTCACTCTGCCACACATCTGCTGCCAAGAGCCA
 GGGCGGCACGTGACATGTGGGGCCAATGCCGGGGCCAGTCGGTGATCCTTCCACACCTACCCACTTC
 TGTTGCACTGATGACGTGTTGCCTGCTTGCACCCCTGCTGTACCTGGCGCCTTCTCTCCGTGGAAC
 CCGACGACCACCTCACTGTGGCTGAGTCTCTGAAGAGGGAAATTTGACAACCTGATACTGCAGACCTCAA
 GTTTCTAGTTGATGGGAAATATATTTATGCTCACAAAGTCCTTCTCAAAATTAGGTGTGAACATTTTCGT
 TCTTCATTAGAAGACAGTGAAGACGATATTGTAGAAATGAGTGAATTTTCGTATCCTGTCTTCCGAGCTT
 TCCTGGAATATCTATACACAGATAACATCAGCCTACCTCCTGAGGAGGCAGTAGGATTGCTAGATCTGGC
 TACATTTTACAGTGAAGTACGCTGAAAAGCTCTGTCAACAACTATCAAGCAAGGGATCTGTGAGGAG
 AATGCTATTGCTCTGCTGTCTGTCAAGTACGATGCTCAGGACTTAGAAGAGTTCTGCTTACAGT
 TTTGCATCAACCATCTGACCGTAGTCACACAACGTCAGGCTTTGCAGAAATGGACCACGATCTTCTGAA
 GAACCTTATCAGCAAAGCCAGCAGAGTTGGAGCCTTAAAGAAC

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence:

>RR209344 representing NM_199084
 Red=Cloning site Green=Tags(s)

MEEVPGFYGESGKSVQATLSSLKMLDVGKWPISLCSSEELQLIRQACVFGTAGNEVL YTTVNDEIFVL
 GTNCSGCLGVGDIQSTIEPRRLDSL TGKKIASLSYSGSPHIVLATTDGEVFTWGHNAYSQ LNGTNNHGL
 VPCHISTNL SNKQVIEVACGSYHSLVL TSDGEVFAWGYNNSGQVSGSTANQPIPRRVTGCLQNKVMSI
 ACQMCSMAVVDTEVYVWYNGNGQLGLGSSGNQPTPCRVAALQGIRVQRVACGYAHTL VLTDEGQIYA
 WGANSYQLGTGNKSNQSYPTPVVVEKDRIIEIAACHSAHTSAKSQGGHVYMWGQCRGQSVILPHLTHF
 CCTDDVFAFATPAVTWRLLSVEPDDHLTVAESLKREFDNPDTADLKFLVDGKYIYAHKVLKIRCEHFR
 SSLEDDIVEMSEFSYPVFRFLELYTDNISLPPEEAVGLLDLAFYSETRLKCLKQQTIKQGICEE
 NAIALLSAAVKYDAQDLEEF CFRFCINHLTVVTQTSGFAEMDHLLKNFISKASRVGAFKN

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites:

SgfI-MluI

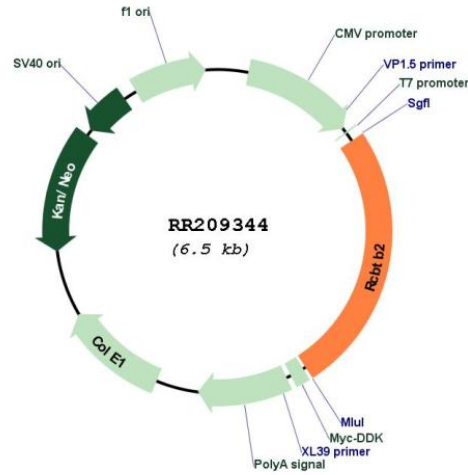
Cloning Scheme:

Cloning sites used for ORF Shuttling:



* The last codon before the Stop codon of the ORF

Plasmid Map:



ACCN:	NM_199084
ORF Size:	1653 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_199084.1 , NP_954515.1
RefSeq Size:	1971 bp
RefSeq ORF:	1656 bp
Locus ID:	290363
UniProt ID:	Q6P798
Cytogenetics:	15q11
MW:	60.1 kDa
Gene Summary:	human homolog may be a guanine nucleotide exchange factor related to the regulator of chromosome condensation (RCC1) gene [RGD, Feb 2006]