

Product datasheet for **RC238884**

RCBTB2 (NM_001286830) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	RCBTB2 (NM_001286830) Human Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	RCBTB2
Synonyms:	CHC1L; RLG
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



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ORF Nucleotide Sequence:

>RC238884 representing NM_001286830
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGGATCGCC**

ATGTCCGCTCTTCCCGTGATTTGGAACTTTCCAATCCCAGAGAAAAGTTGACAAAGCCAGTACAGGCTA
 CTCTGTCACTTTGAAGATGTTAGATGTGGGAAAGTGGCCAATTTTTTCCCTTTGTTCTGAAGAAGAACT
 ACAGTTAATTCGTCAGGCTTGTGTCTTTGGCAGTGTGGCAATGAAGTTTATACACTACAGTAAATGAT
 GAGATTTTGTGCTTGGCACAACCTGCTGTGGCTGTTGGGGTTAGGTGACGTCCAGAGCACCATTGAAC
 CTCGGAGACTGGATTCTTAAATGGCAAAAAATAGCCTGCCTCAGCTATGGGAGTGGTCCACATATTGT
 CCTTGAACAACAGAAGGAGAAGCTTTACCTGGGGTATAATGCTTATAGCCAGCTGGCAATGGGACA
 ACTAATCATGGTTTAGTGCCTGTCATATCTACTAATCTGTCAAACAAACAAGTCATTGAAGTTGCCT
 GTGGGTCTTACCATTCTTGGTGTAACTCTGATGGAGAGGATTTGCCTGGGGTTATAATAACTCTGG
 GCAGGTAGGATCTGGATCAACAGTTAATCAGCCAATCCCTCGAAGAGTCACTGGTGCCTACAAAATAAA
 GTAGTTGTGACCATAGCATGTGGGCAGATGTGCTGCATGGCAGTAGTAGACACGGGGGAGGTCTATGTCT
 GGGGTTACAACGGAAACGGGCAGCTTGGACTCGGCAACAGTGGCAACCAGCCAACCCCTGCAGAGTGGC
 AGCTTTGCAAGGCATCCGTGTCCAGAGGGTGCCTGTGGCTACGCACACACATTAGTATTAACAGATGAA
 GGCAAGTGATGCTTGGGGCGCAATCTTATGGGCAGTTGGGCACTGGCAATAAAGCAACCAGTCCCT
 ATCCTACTCCTGTCACTGTGAAAAGGACAGGATTATCGAGATTGCAGCCTGTCACTCCACACACAGTC
 TGCGGCAAGACGCAGGGTGGGCACGTGTACATGTGGGGCCAGTCCGGGGTCACTCCGTGATCTCCCG
 CACCTCACCCACTTCTCCTGCCTGACGACGTGTTGCCTGCTTGGCCAGCCCGCCTCACGTGGCGCC
 TCCTCTCCGTGGAACCTGATGACCACCTCACAGTGGCTGAGTCACTGAAGAGGGAATTTGACAACCCGGA
 CACTGCAGACCTGAAGTTCTAGTTGATGGAAAGTACATTTATGCACATAAAGTCCTTCTCAAGATTGGA
 TGTGAGCATTTTCGTTTCGTCATTGGAAGATAACGAGGATGATATTGTAGAATGAGTGAATTTTCATATC
 CTGTTTACCGGCCTTCTGGAATACCTATACACAGACAGCATCAGCCTTTCTCCTGAGGAGGCAGTAGG
 ACTGCTAGACTTGGCTACATTTTATAGAGAAAATCGTTTAAAAAGCTCTGCCAACAAATCAAGCAA
 GGCATCTGCGAGGAGAATGCCATCGCTCTGCTCTCGGCTGCGGTGAAGTATGATGCACAGGATTTAGAAG
 AATTCTGCTTCAAGTTTTGCATAAACCATCTGACTGTAGTAACACAAACATCAGGTTTTGCAGAAATGGA
 CCATGATCTCCTGAAGAACTTTATCAGCAAAGCAAGCAGAGTTGGAGCCTTAAAAAT

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence:

>RC238884 representing NM_001286830
 Red=Cloning site Green=Tags(s)

MSALPRDELESNPREKLTQPVQATLSSLKMLDVGKWPISLCSSEELQLIRQACVFGSAGNEVLYTTVND
 EIFVLGTNCCGLGLGDVQSTIEPRRLDSLNGKIIACL SYSGPHIVLATTEGEVFTWGHNAYSQNGNT
 TNHGLVPCHISTNLSNKQVIEVACGSYHSLVLTSDGEVFAWGYNNSGQVSGSTVNQPIPRRVTGCLQNK
 VVVTIACQMCCMAVVDTEVYVWYNGNGQLGLGNSGNQPTPCRVAALQGIRVQRVACGYAHTLVLTDE
 GQVYAWGANSYQLGTGNKSNQSYPTPVTVEKDRIIEIAACHSTHTSAKTQGGHYMMWQCRCRQSVILP
 HLTHFSCTDDVFAFATPAVTWRLLSVEPDDHLTVAESLKREFDNPDTADLKFLVDGKYIYAHKVLKIR
 CEHFRSSLEDNEDDIVEMSEFSYPVYRAFLEYLYTDSISLSPEEAVGLLDLATFYRENRLKCLKQQTIKQ
 GICEENAIALLSAVKYDAQDLEEF CFRFCINHLTVVTQTSGFAEMDHDLLKNFISKASRVGAFKN

TRTRPLEQKLI SEEDLAANDILDYKDDDDKV

Restriction Sites:

SgfI-MluI

Cloning Scheme:


ACCN: NM_001286830

ORF Size: 1668 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_001286830.1](#), [NP_001273759.1](#)

RefSeq Size: 3215 bp

RefSeq ORF: 1671 bp

Locus ID: 1102

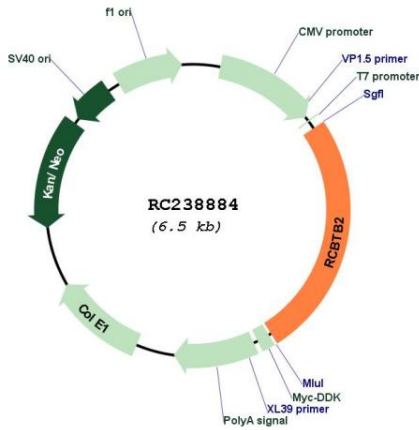
UniProt ID: [O95199](#)

Cytogenetics: 13q14.2

MW: 61.4 kDa

Gene Summary: This gene encodes a protein containing two C-terminal BTB/POZ domains that is related to regulator of chromosome condensation (RCC). The encoded protein may act as a guanine nucleotide exchange factor. This gene is observed to be lost or underexpressed in prostate cancers. There is a pseudogene of this gene on chromosome 10. Alternative splicing results in multiple transcript variants. [provided by RefSeq, Nov 2013]

Product images:



Circular map for RC238884