

Product datasheet for **RC238726**

RCBTB2 (NM_001286831) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	RCBTB2 (NM_001286831) Human Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	RCBTB2
Synonyms:	CHC1L; RLG
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin



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ORF Nucleotide Sequence:

>RC238726 representing NM_001286831
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGGATCGCC**

ATGTTAGATGTGGAAAGTGGCCAATTTTTTCCCTTTGTTCTGAAGAAGAACTACAGTTAATTCGTGAG
 CTTGTGCTTTGGCAGTGTGGCAATGAAGTTTATACACTACAGTAAATGATGAGATTTTTGTGCTTGG
 CACAAACTGCTGTGGCTGTTGGGGTTAGGTGACGTCCAGAGCACCATTGAACCTCGGAGACTGGATTCT
 TTAATGGCAAAAAATAGCCTGCCTCAGCTATGGGAGTGGTCCACATATTGTCCTTGAACAACAGAAG
 GAGAAGCTTTACCTGGGGTCAATGCTTATAGCCAGCTGGGCAATGGGACAATAATCATGGTTTAGT
 GCCCTGCATATCTACTAATCTGTCAAACAACAAGTCAATGAAGTTGCCTGTGGGTCTTACCATTCT
 TTGGTGCTAACATCTGATGGAGAGGATTTGCCTGGGGTTATAAATACTTGGGCAGGTAGGATCTGGAT
 CAACAGTTAATCAGCCAATCCCTCGAAGAGTCACTGGCTGCCTACAAAATAAAGTAGTTGTGACCATAGC
 ATGTGGGCAGATGTGCTGCATGGCAGTAGTAGACACGGGGGAGGTCTATGTCTGGGGTTACAACGGAAAC
 GGGCAGCTTGGACTCGGCAACAGTGGCAACCAGCCAACCCCTTGCAGAGTGGCAGCTTTCGAAGGCATCC
 GTGTCCAGAGGGTCGCCTGTGGCTACGCACACACATTAGTATTAACAGATGAAGGCCAAGTGTATGCTTG
 GGGCGCCAATTCTTATGGGCAGTTGGGCACTGGCAATAAAAGCAACCAGTCTATCCTACTCCTGTCACT
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 GATGACCACCTCACAGTGGCTGAGTCACTGAAGAGGGAATTTGACAACCCGGACACTGCAGACATTTGAAGT
 TTCTAGTTGATGGAAAGTACATTTATGCACATAAAGTCTTCTCAAGATTGATGTGAGCATTTCGTTTC
 GTCATTGGAAGATAACGAGGATGATATTGTAGAATGAGTGAATTTTCATATCCTGTTTACCGGGCCCTC
 CTGGAATACCTATACACAGACAGCATCAGCCTTCTCCTGAGGAGGCAGTAGGACTGCTAGACTTGCTA
 CTTTTATAGAGAAAATCGTTTAAAAAGCTCTGCCAACAACACTATCAAGCAAGGCATCTGCGAGGAGAA
 TGCCATCGCTCTGCTCTCGGCTGCGGTGAAGTATGATGCACAGGATTTAGAAGAATTCTGCTCAGGTTT
 TGCATAAACCATCTGACTGTAGTAACACAACATCAGGTTTTGCAGAAATGGACCATGATCTCCTGAAGA
 ACTTTATCAGCAAAGCAAGCAGAGTTGGAGCCTTAAAAAT

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence:

>RC238726 representing NM_001286831
 Red=Cloning site Green=Tags(s)

MLDVGKWPISLCSSEELQLIRQACVFGSAGNEVLYTTVNDIEIFVLGTNCCGCLGLGDVQSTIEPRRLDS
 LNGKKIACLSYSGSPHIVLATTEGEVFTWGHNAYSQLNGTNNHGLVPCHISTNL SNKQVIEVACGSYHS
 LVL TSDGEVFAWGYNNSGQVSGSTVNQPIPRRVGTCLQNKVVVTIACGQMCCMAVVDTEVYVWGYNGN
 GQLGLGNSGNQPTPCRVAALQGIRVQRVACGYAHTLVLTDEGQVYAWGANSYGLGTGNKSNQSYPTPVT
 VEKDRIIEIAACHSTHTSAAKTQGGHVYMWGQCRGQSVILPHLTHFSCTDDVFACFATPAVTRWLLSVEP
 DDHLTVAESLKREFDNPDTADLKFLVDGKYIYAHKVLLKIRCEHFRSSLEDNEDDIVERMSEFSYPVYRAF
 LEYLYTDSISLSPEEAVGLLDLATFYRENRLKKLCQQTIKQICEENAIALLSAVKYDAQDLEEF CFRF
 CINHLTVVTQTSGFAEMDHDLLKNFISKASRVGAFKN

TRTRPLEQKLI SEEDLAANDILDYKDDDDKV

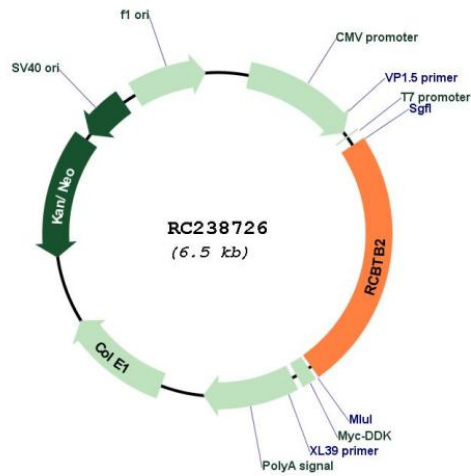
Restriction Sites:

Sgfl-MluI

Cloning Scheme:



Plasmid Map:



ACCN:	NM_001286831
ORF Size:	1581 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_001286831.1 , NP_001273760.1
RefSeq Size:	3020 bp
RefSeq ORF:	1584 bp
Locus ID:	1102
UniProt ID:	O95199
Cytogenetics:	13q14.2
MW:	58.2 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]