

Product datasheet for **RC218621**

RBCK1 (NM_006462) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	RBCK1 (NM_006462) Human Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	RBCK1
Synonyms:	C20orf18; HOIL-1; HOIL1; PBMEI; PGBM1; RBCK2; RNF54; UBCE7IP3; XAP3; XAP4; ZRANB4
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



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ORF Nucleotide Sequence:

>RC218621 representing NM_006462
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGGATCGCC**

ATGGGCACAGCCACGCCAGATGGACGAGAAGACCAAGAAAGGCTGTGGGTGAGCGTGGAGGATGCTCAGA
 TGCACACCGTCACCATCTGGCTCACAGTGCGCCCTGATATGACAGTGGCGTCTCTCAAGGACATGGTTTT
 TCTGGACTATGGCTTCCACCAGTCTTGCAGCAGTGGGTGATTGGGCAGCGGCTGGCAGCAGACCAGGAG
 ACCCTGCACTCCCATGGGTGCGGCAGAAATGGGACAGTGCCTACCTCTATCTGTGTGACGCCGAACA
 CCTCCCTCAACCCTCAGGAGCTGCAGCGGGAGCGGCAGCTGCGGATGCTGGAAGATCTGGGCTTCAAGGA
 CCTCACGCTGCAGCCGCGGGGCCCTCTGGAGCCAGGCCCCCAAGCCCGGGTCCCCAGGAACCCGGA
 CGGGGGCAGCCAGATGCAGTGCCTGAGCCCCACCGGTGGGTGGCAGTGCCTGGGTGCACCTTCATCA
 ACAAGCCACGCGCCTGGCTGTGAGATGTGCTGCCGGGCGGCCCGAGGCCTACCAGGTCCCCGCTC
 ATACCAGCCCAGCAGGAGGAGCGAGCGCCCTGGCGGGCAGGAGGAGCGCTGCGTCAGTACCAGCAG
 CGGAAGCAGCAGCAGCAGGAGGGAACTACCTGCAGCACGTCCAGCTGGACCAGAGGAGCCTGGTGTGA
 ACACGGAGCCCGCAGTGCCTGCTACTCGGTGCTGGCGCCCGCGAGGCCGTGGTGTGCTGCTGCTGA
 GTGTCTGCACACCTTCTGCAGGGAGTGCCTGCAGGGCACCATCCGCAACAGCCAGGAGCGGAGGTCTCC
 TGCCCCCTTATTGACAACACTACTCGTCTCGGGCAAGCTGCTGGAGAGGGAGATCAAGGCGCTCCTGA
 CCCCTGAGGATTACCAGCGATTTCTAGACTGGGCATCTCCATTGCTGAAAACCGCAGTGCCTTCAGCTA
 CCATTGCAAGACCCAGATTGCAAGGGATGGTGTCTTTTGGAGGATGATGCAATGAGTTCACCTGCCCT
 GTGTGTTTCCACGTCAACTGCCTGCTCTGCAAGGCCATCCATGAGCAGATGAACTGCAAGGAGTATCAGG
 AGGACTGGCCCTGCGGGCTCAGAACGATGTGGCTGCCCGCAGACGACAGAGATGCTGAAGGTGATGCT
 GCAGCAGGGCGAGGCCATGCGCTGCCCCAGTGCAGATCGTGGTACAGAAGAAGGACCGCTGCGACTGG
 ATCCGCTGCACCGTCTGCCACACCGAGATCTGCTGGGTACCAAGGGCCACGCTGGGGCCCTGGGGCC
 CAGGAGACACCAGCGGGGCTGCCGCTGCAGGGTAAATGGGATCCTTGCCACCCAAGCTGCAGAACTG
 CCAC

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence:

>RC218621 representing NM_006462
 Red=Cloning site Green=Tags(s)

MGTATPDGREDQERLWVSVEDAQMHTVTIWLTVRPDMTVASLKDMVFLDYGFPPVLQQWVIGQRLARDQE
 TLHSHGVRQNGDSAYLYLLSARNTSLNPQELQRERQLRMLLEDLGFKDLTLQPRGPLEPGPPKPGVPQEPG
 RGQPDVAPEPPVGVQCPGCTFINKPTRPGCEMCCRARPEAYQVPASYQPDEEERARLAGEEEALRQYQQ
 RKQQQQEGNYLQHVQLDQRSLVLNTEPAECPVCYSLAPGEAVVLRCLHTFCRECLQGTIRNSQEAQV
 CPFIDNTYSCSGKLLEREIKALLTPEDYQRFDLGSIENRSAFEYHCKTPDCKGWCFFEDDVNEFTCP
 VCFHVNCLLCKAIHEQMCKEYQEDLALRAQNDVAARQTTEMLKVMLQQGEAMRCPQCQIVVQKDKGCDW
 IRCTVCHTEICWVTKGPRWGPGGPGDTSGGCRVNGIPCHPSCQNCH

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Chromatograms:

https://cdn.origene.com/chromatograms/mk8062_a04.zip

Restriction Sites:

Sgfl-MluI

Cloning Scheme:

Cloning sites used for ORF Shutting:



* The last codon before the Stop codon of the ORF

ACCN: NM_006462

ORF Size: 1404 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_006462.6](#)
RefSeq Size: 2570 bp

RefSeq ORF: 1407 bp

Locus ID: 10616

UniProt ID: [Q9BYM8](#)
Cytogenetics: 20p13

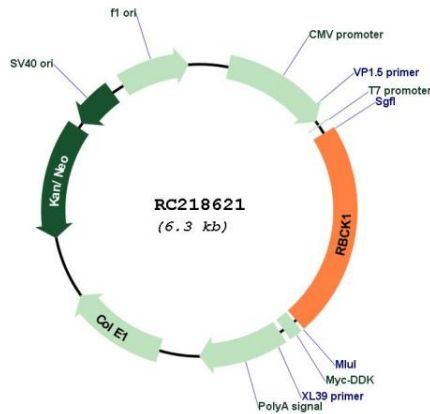
Domains: RING, zf-RanBP

Protein Families: Druggable Genome

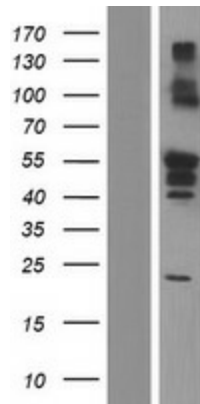
MW: 52.8 kDa

Gene Summary: The protein encoded by this gene is similar to mouse UIP28/UbcM4 interacting protein. Alternative splicing has been observed at this locus, resulting in distinct isoforms. [provided by RefSeq, Jul 2008]

Product images:



Circular map for RC218621



Western blot validation of overexpression lysate (Cat# [LY416627]) using anti-DDK antibody (Cat# [TA50011-100]). Left: Cell lysates from untransfected HEK293T cells; Right: Cell lysates from HEK293T cells transfected with RC218621 using transfection reagent MegaTran 2.0 (Cat# [TT210002]).