

Product datasheet for **RR206503**

Ralbp1 (NM_032067) Rat Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Ralbp1 (NM_032067) Rat Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Ralbp1
Synonyms:	MGC108645; RIP1; RLIP76
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



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ORF Nucleotide Sequence:

>RR206503 representing NM_032067
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGCATCGCC**

ATGACTGAGTGCTTCCTGCCCCACCAGCAGCCCTAGTGAACACCGCAGGGCCGAGCACGGCAGCGGGC
 TGACCCGACCCCGACTCCGAGGAGATCAGCCCTACAAAATTTCTGGATTGTACCGGACGGGTGAGCC
 TTCACCTCCCATGACATCCTCCACGAGCCTCCTGATATCGTGTGATGATGAGAAAGACCATGGAAAG
 AAAAAAGGAAAATTAAGAAAAAGGAGAAAAGGACTGAAGGCTACGCTGCCTTCCAGGAAGACAGCTCTG
 GAGATGAGGCTGAAAGTCTTCCAAGATGAAGAGGTCCAAGGCATCCATGTGTTCAAAAAGCCAGCTT
 CTCTAAAAAGAAGGAAAAGGATTTTAAATCAAAGAAAAGCCAAAGAAGAAAAGCACAAAGAAGAAAAG
 CATAAAGAGGAAAAGCATAAAGAAAAGAAATGTAAGACTTGACGGCCCGCATGTTGTTAAACAGTGGA
 AGGAAAAGAAGAAAAGAAGAAGCCAATCAGGAGCCAGAGGTGCCTCAGACGGACGCCCGAGTCTCAG
 ACCCATTTTCGGCGCTCCCTTGCTGACGCAGTAGAGAGGACCATGATGTACGACGGCATCCGGCTGCCA
 GCTGTCTTCCGGGAGTGGTGGACTACATGGAGAAGCACGGCATGAAATGTGAAGGCATCTACCGAGTGT
 CAGGAATCAAATCAAAGGTAGATGAGCTGAAAGCAGCCTATGACCGAGAGGAGTCTCAAACCTGGAAGA
 ATATGAACCTAACACTGTAGCCAGCTTGCTGAAGCAGTATCTGCGAGACCTTCCCAGAAATTTGCTTACC
 AAAGAGCTTATGCCCGATTTGAAGAGGCTTGTGGGAGGACCACAGAGGTGGAGAAAAGTGCAGGAGTTCC
 AGCGCTTGCTCAGGGAAGTGCAGGAGTACAACCATCTTCTGCTCCTGGCTCATTGTGCACATGGACCA
 CGTCATCGGAAGGAGCTGGAACCAAGATGAACATCCAGAACATCTCCATAGTGTGAGCCCAACCGTC
 CAGATCAGCAACCGGGTCTGTATGTGCTTTTACACACGTGCAAGAGCTCTTGGCACCGTGGTCTGGA
 AGCAAGTAACGAGACCTCTGCGTTGGTCCAACATGGCCACAATGCCTACACTGCCAGAGACCCAAGCAGA
 CATCAAGGAAGAAATCAGGAGACAGGAGTTCCTTTTGAAGTGTACATCGAGATCTGCAGGGCGGATA
 AAGGACTTGTCTAAAGAAGAAAGATTATGGGAAGTACAGAGGATTCTGACTGCCCTCAAGAGAAAAGTGA
 GGAAGCTAAAAGACAAGAGTGTGAGACCAAGATTGCACAGGAGATAGCCAGCCTTTCGAAGGAGGATGT
 TTCAAAGAAGAAACGAACGAAAACGAGGAGGTCATAAATATCCTCCTTGGCCAGGAGAATGAGATCCTG
 ACTGAGCAGGAGGAGCTCCTGGCCATGGAGCAGTTTCTGCGTCGTGATCGCTCGGAGAAAGAAGAGA
 TTGACCCCTCCGAGCTGAGATTGCGGAGATCCAGAGTCGCCAGCATGGCCGAGCGAGACAGAGGAGTA
 CTCCTCTGACAGCGAGAGCGAGAGCGAGGATGAGGAGGAGCTGCAGATCATTCTGGAAGACTTACAGAGG
 CAGAATGAAGAGTTAGAAATAAAGAACAATCACTTGAACCAGGCAGTCCATGAAGAGCGGGAGGCCATCG
 TTGAGCTCCGAGTGCAGCTCCGGCTGCTCCAGATGCTGCGAGCCAAGTCTGAGCAGCAGCTCCAGGAGGA
 GGAGGAGCCCAGAGGCGAGGGGACAGGCCACTACCTGTGAAGGTGTCTCGAGGTGAGAGCAGCC
 AAGGAGCAGGCGAAGCCTCGCCAGCAAAGACCGGAAGGAGACGCCCATCTGAACTGCCCGGCCCTGTG
 CATCGTACTGTAAGCGAGAGTCCGCTGCTGCTGCCAGGCAGCGTTCTGTGAAGGCTCTCAGAGACGC
 TCGCTCTTGACACAGTCTGACTCCGTGTCAGGCTCAGGTCCTGGGAGAG

ACGCGTACGCGGGCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence: >RR206503 representing NM_032067
Red=Cloning site Green=Tags(s)

MTECFLPPTSSPSEHRAEHGSLTRTPSSEEISPTKFPGLYRTGEPSPPHDILHEPPDIVSDDEKDHGK
 KKGFKKKEKRTEGYAAFQEDSSGDEAESPSKMKRSKGIHVFKKPSFKKKKEDFKIKEKPKEEKHKEEK
 HKEEKHKEKKCKDLTAADVVKQWKEKKKKKPTQEPEVPQTDAPSLRPIFGAPLADAVERTMMYDGIRLP
 AVFRECVDYMEKHGMKCEGIYRVSGIKSVDELKAAAYDREESPNLEEYEPNTVASLLKQYLRDLPENLLT
 KELMPRFEEACGRITTEVEKVQEFQRLRELPEYNHLLLSWLIVHMDHVIAKELETMNIQNISIVLSPTV
 QISNRVLYVLFTHVQELFGTVVLKQVTRPLRWSNMATMPTLPETQAGIKEEIRRQEFLLNCLHRDLQGGI
 KDLSKEERLWEVQRILTALKRKLREAKRQECETKIAQEIASLSKEDVSKEETNENEEVINILLAQENEIL
 TEQEELLAMEQFLRRQIASEKEEIDPLRAEIAEIQSRQHGRSETEEYSSDSESESEDEEELQIILEDLQR
 QNEELEIKNNHLNQA VHEEREAI VELRVQLRLLQMLRAKSEQQLQEEEEPERGGTGPLPCEGVLEVRAA
 KEQAKPRPAKTGRRRPELPRPCASYCKRESAACPARQRSVKALRDARSCRTLTPCQAQVLGE

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites:

SgfI-MluI

Cloning Scheme:



ACCN: NM_032067

ORF Size: 2079 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_032067.1](#), [NP_114456.1](#)

RefSeq Size: 3622 bp

RefSeq ORF: 2082 bp

Locus ID: 84014

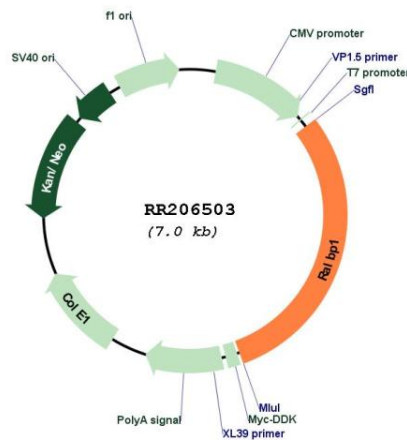
UniProt ID: [Q62796](#)

Cytogenetics: 9q37

MW: 80.1 kDa

Gene Summary: binds the GTP-bound form of Ras-related GTPase RalA; also interacts with Rho family member CDC42 via a specific Rho-GTPase activating domain [RGD, Feb 2006]

Product images:



Circular map for RR206503