

Product datasheet for **RC231316**

RINL (NM_001195833) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	RINL (NM_001195833) Human Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	RINL
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



[View online »](#)

ORF Nucleotide Sequence:

>RC231316 representing NM_001195833
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGCATCGCC**

ATGGCCCAGCCAGAAGACAAGGCACCTGAAGTCCCCACAGAGGGGTGAGGCTGGTCCCACCACAGGTGA
 ACAAAGCAGACAGGACCCTCTAGGGGTCTCAGCACCTAGAGCCACTTACTCGCTGCAGAGGACATG
 GGGGGTGTGGCATGTGCCAGAGCTGGATACCCAGGATGCGGAGGCCCTTGTGGGGCTGTGCCACTAGGG
 AGTTTCTTGGTCACAGGACGTGACCCAGCCAGGCCCTGGTGTGAGGTGAGGACCTTTACCAGGAGAAG
 TCAATACCTACCAGATCCAGAAGATTCCCAGAGGTGTGTCCTGGAATCTCCAACCTCTGCATGCCAGA
 CCTGCCCATCTCTGGCCTTTCTATCAGCCAGCAGGGATGTTCTGCCAGAACCCTGCTTTGCCCCCT
 CCCACTTAGGGCCAGAGATGAACACACAGATCCTGTGCAGATCGGCAGGGTCCAACAGGACACCCAG
 GGAAGGTGCTTTCCATTGTGAACCAGCTCTACCTGGAGACCCACAGAGGTGGGGAGGGAGCAGACCCC
 TCAAGAAACAGAGCCAGAGGCTGCTCAGAGACATGATCCAGCCCCAGGAACCCTGCGCCTCAGGGGTC
 TCCTGGGTGAAAGGCCCGCTCAGCCCGGAAGTGGACCATCCTGGGCCGGCTCTCGCCAGCCTACTGGAAG
 AGGAGGAGGAAGACCTTGAAGGAAAGGAGGAAGGAAGGAGGAGCAGCCCTGAAGAGGAAGGCCCTGAGGA
 CGTGCTCACCATTACGTCCAGTCTCTGGTCAGGGCCCGAGCAGCTACGTGGCCAGGCAGTACCGAAGC
 CTTGCGGTGCGCATCGCCTCAGATTCTGGGGGTCCCCACGGGTCTGGGGACCCGGCCACGGAGCTGCTTC
 AGGATGTGCGGCACCTCCTTACTGACCTCCAGGATCACCTGGCAAAGGACTCCTACATCAGGGCTGTCTT
 TGGAAGCAGGGGTCTGGGCTCCCAAGAAGGACGAGGATCCAGGCCCGCGCTGGAGACGGCGGTGTGC
 CAGGCGGTGCTGGCGCCCTGAAGCCGGCCCTGTGGACACGACTCCGCACACTCCGAGCACCAGGAGTGC
 GCGCGGTGCGGCGGACAGACGCCCTGCGGGCGGGGCGGGGCTCCGGGGGCACAGGGGCGGGGACC
 GGAAGGGCAGAGCCCGCCCGCCTTGCAGGAGCCGATCCACGAGCGCCTTGCACCTCCACGCTGCC
 TCGCCCCGCGCGCAAGGTGGCGCTCCTCTGGAGGTGTGCAGAGATGTCTATGCGGGCTGGCTCGAG
 GCGAGAACCAAGATCCCCTGGGGCCGACGCTTCTGCGGCGCTGACCGAGGAATCATCTGGAGCCC
 GGACATTGGGGACACGACGTGGACGTAGATTCTTATGGAGCTCTTAGATCCAGATGAGCTGCGGGGA
 GAGGCTGGGTACTACCTGACCACGTGGTTTGGGCGCTGCACCACATTGCCCACTACCAGCCGAAACAG
 ACCGCGCTCCCGGGGGCTCAGTCCGAGGCCCGCGCTCCCTGCACAGTGGCACCAGCGGAGGACGCT
 GCACAGAAAGGATCATCCAGAGCCAGGCCAACCTGCCCTTAAGGAGCCATGGGCAGAAGAGACTGTG
 ACAGGGACCAGTGACAAC

ACGCGTACGCGGCGGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence:

>RC231316 representing NM_001195833
 Red=Cloning site Green=Tags(s)

MAQPEDKAPEVPTTEGVRLVPPQVKNADRTPGLVLTSTLEPLTRLQRTWGVWHVPELDTQDAEALVGLWPLG
 SFLVTGRDPSQALVLRSGPLPGEVNTYQIQKIPRGVSLESSNLCMPDLPHLLAFLSASRDVLPRTLLPP
 PTLGPRDEHTDPVQIGRVQDDTPGKVLSTVNLQYLETGRWGREQTPQETEPAAQRHDPAPRNPAHPGV
 SWVKGPLSPEVDHPGALASLLEEEEDLEGKEEGREDDPEEGPEDVLTIVHQSILVRARSSYVARQYRS
 LRVRIASDSGGPHGSGDPATELLQDVRHLLTDLQHLAKDSYIRAVFGSRGPGPKKDEDPGPALETAVC
 QAVLAPLKPALWTRLRLRAPELRRRQTALRAGAGPPGAQGPPEGQSPAPALRSRIHERLAHLHAA
 CAPRRKVALLLLEVCRDVYAGLARGENQDPLGADAFPLALTEELIWSPDIGDTQLDVEFLMELLDPELRG
 EAGYYLTTFWFGALHHIAHYQPETDRAPRGLSSEARASLHQWRRRTLHRKDHPRQAANLPFKEPWAEETV
 TGTSDN

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Chromatograms:

https://cdn.origene.com/chromatograms/mk8067_f01.zip

Restriction Sites:

SgfI-MluI

Cloning Scheme:


ACCN: NM_001195833

ORF Size: 1698 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.

Note: Plasmids are not sterile. For experiments where strict sterility is required, filtration with 0.22um filter is required.

RefSeq: [NM_001195833.2](#)

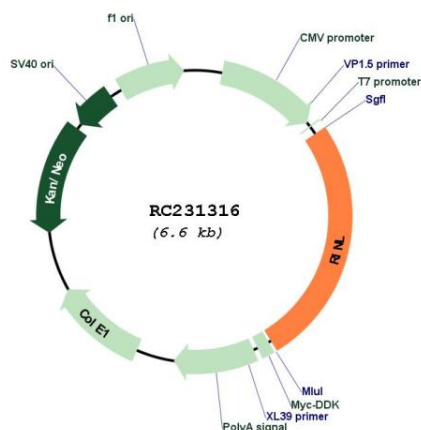
RefSeq ORF: 1701 bp

Locus ID: 126432

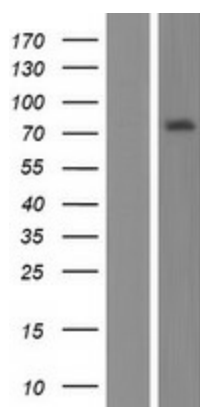
UniProt ID: [Q6ZS11](#)

Cytogenetics:	19q13.2
MW:	62.9 kDa
Gene Summary:	Guanine nucleotide exchange factor (GEF) for RAB5A and RAB22A that activates RAB5A and RAB22A by exchanging bound GDP for free GTP. Plays a role in endocytosis via its role in activating Rab family members (By similarity).[UniProtKB/Swiss-Prot Function]

Product images:



Circular map for RC231316



Western blot validation of overexpression lysate (Cat# [LY434315]) using anti-DDK antibody (Cat# [TA50011-100]). Left: Cell lysates from untransfected HEK293T cells; Right: Cell lysates from HEK293T cells transfected with RC231316 using transfection reagent MegaTran 2.0 (Cat# [TT210002]).