

Product datasheet for **RG231316**

RINL (NM_001195833) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	RINL (NM_001195833) Human Tagged ORF Clone
Tag:	TurboGFP
Symbol:	RINL
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)



[View online »](#)

**ORF Nucleotide
Sequence:**

>RG231316 representing NM_001195833
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGCATCGC**C

ATGGCCAGCCAGAAGACAAGGCACCTGAAGTCCCCACAGAGGGGTGAGGCTGGTCCCACCACAGGTGA
 ACAAAGCAGACAGGACCCCTCTAGGGGTCTCAGCACCTAGAGCACTTACTCGCTGCAGAGGACATG
 GGGGTGTGGCATGTGCCAGAGCTGGATACCCAGGATGCGGAGGCCCTTGTGGGCTGTGCCACTAGGG
 AGTTTCTTGGTCACAGGACGTGACCCAGCCAGGCCCTGGTGTGAGGTGAGGACCTTTACCAGGAGAAG
 TCAATACCTACCAGATCCAGAAGATTCCCAGAGGTGTGTCCTGGAATCTCCAACCTCTGCATGCCAGA
 CCTGCCCATCTCTGGCCTTTCTATCAGCCAGCAGGGATGTTCTGCCAGAACCCTGCTTTGCCCTCT
 CCCACTTAGGGCCAGAGATGAACACACAGATCTGTGCAGATCGGCAGGGTCCAACAGGACACCCAG
 GGAAGGTGCTTTCCATTGTGAACCAGCTCTACCTGGAGACCCACAGAGGTGGGGAGGGAGCAGACCCC
 TCAAGAAACAGAGCCAGAGGCTGCTCAGAGACATGATCCAGCCCCAGGAACCCTGCGCCTACGGGGTC
 TCCTGGGTGAAAGGCCCGCTCAGCCCGAAGTGGACCATCTGGGCCGGCTCTCGCCAGCCTACTGGAAG
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 CTTGCGGTGCGCATCGCCTCAGATTCTGGGGTCCCCACGGGTCTGGGGACCCGGCCACGGAGCTGCTTC
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 ACCGCGCTCCCGGGGGCTCAGTCCGAGGCCCGCGCTCCCTGCACAGTGGCACCGCAGGCGGACGCT
 GCACAGAAAGGATCATCCAGAGCCAGGCCAACCTGCCCTTAAGGAGCCATGGGCAGAAGAGACTGTG
 ACAGGGACCACTGACAAC

ACGCGTACGCGGCGGCTCGAG – GFP Tag – GTTTAA

Protein Sequence:

>RG231316 representing NM_001195833
 Red=Cloning site Green=Tags(s)

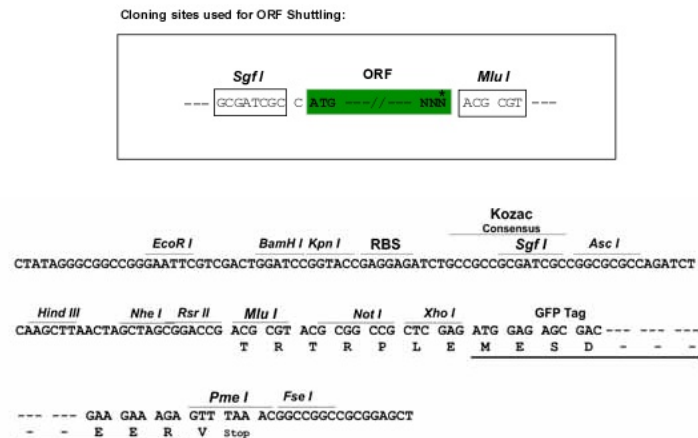
MAQPEDKAPEVPTTEGVRLVPPQVKNADRTPLGVLSTLEPLTRLQRTWGVVHVPDLTDQAEALVGLWPLG
 SFLVTGRDPSQALVLRSGPLPGEVNTYQIQKIPRGVSLESSNLCMPDLPHLLAFLSASRDVLPRTLLLP
 PTLGPRDEHTDPVQIGRVQQDTPGKVLISVNQLYLETHRGWGREQTPQETEPEAAQRHDPAPRNPA
 PHGVSWVKGPLSPEVDHPGALASLLEEEEDLEGKEEGREDDPEEPEGPDVLTIHVQSLVRARSSVYARQYRS
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 QAVLAPLKPALWTRLRLRAPELRRRLRRQTALRAGAGPPGAQGPPEGQSPAPALRSRIHERLAHLHAA
 CAPRRKVALLLVCRDVYAGLARGENQDPLGADAFPLPALTEELIWSPDIGDTQLDVEFLMELLDPEL
 RG EAGYYLTTWFGALHHIAHYQPETDRAPRGLSSEARASLHQWHRRLHRKDHPRAQANLPFKEPWAEETV
 TGTSN

TRTRPLE – GFP Tag – V

Restriction Sites:

Sgfl-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.

RefSeq: [NM_001195833.2](#)

RefSeq Size: 3062 bp

RefSeq ORF: 1701 bp

Locus ID: 126432

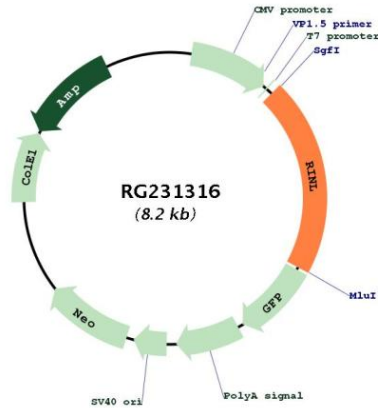
UniProt ID: [Q6ZS11](#)

Cytogenetics: 19q13.2

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 RG231316