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Product datasheet for SC307697

RINL (NM_198445) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Tag:	Tag Free
Symbol:	RINL
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)

Fully Sequenced ORF:

>SC307697 representing NM_198445.
Blue=Insert sequence Red=Cloning site Green=Tag(s)

GCTCGTTTAGTGAACCGTCAGAATTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTG
GATCCGGTACCGAGGAGATCTGCCGCCGCGATCGCC
ATGCCAGACCTGCCCCATCTCCTGGCCTTTCTATCAGCCAGCAGGGATGTTCTGCCCAGAACCCTGCTC
TTGCCCCCTCCCACTCTAGGGCCCAGAGATGAACACACAGATCCTGTGCAGATCGGCAGGGTCCAACAG
GACACCCCAGGGAAGGTGCTTTCCATTGTGAACCAGCTCTACCTGGAGACCCACAGAGGCTGGGGGAGG
GAGCAGACCCCTCAAGAAACAGAGCCAGAGGCTGCTCAGAGACATGATCCAGCCCCCAGGAACCCTGCG
CCTCACGGGGTCTCCTGGGTGAAAGGCCCGCTCAGCCCGGAAGTGGACCATCCTGGGCCGGCTCTCGCC
AGCCTACTGGAAGAGGAGGAGGAAGACCTTGAAGGAAAGGAGGAAGGAAGGGAGGACGACCCTGAAGAG
GAAGGCCCTGAGGACGTGCTCACCATTCACGTCCAGTCTCTGGTCAGGGCCCGGAGCAGCTACGTGGCC
AGGCAGTACCGAAGCCTTCGGGTGCGCATCGCCTCAGATTCTGGGGGTCCCCACGGGTCTGGGGACCCG
GCCACGGAGCTGCTTCAGGATGTGCGGCACCTCCTTACTGACCTCCAGGATCACCTGGCAAAGGACTCC
TACATCAGGGCTGTCTTTGGAAGCAGGGGTCCTGGGCTCCCCAAGAAGGACGAGGATCCAGGCCCCGCG
CTGGAGACGGCGGTGTGCCAGGCGGTGCTGGCGCCCCTGAAGCCGGCCCTGTGGACACGACTCCGCACA
CTCCGAGCACCGGAGCTGCGGCGGCTGCGGCGGCGACAGACAGCCCTGCGGGCGGGGGCGGGGCCTCCG
GGGGCACAGGGGCCGGGACCGGAAGGGCAGAGCCCCGCCCCCGCCTTGCGGAGCCGCATCCACGAGCGC
CTTGCGCACCTCCACGCTGCCTGCGCCCCGCGCCGCAAGGTGGCGCTCCTCTTGGAGGTGTGCAGAGAT
GTCTATGCGGGCCTGGCTCGAGGCGAGAACCAAGATCCCCTGGGGGCCGACGCCTTCCTGCCGGCGCTG
ACCGAGGAACTCATCTGGAGCCCGGACATTGGGGACACGCAGCTGGACGTAGAGTTTCTTATGGAGCTC
TTAGATCCAGATGAGCTGCGGGGAGAGGCTGGGTACTACCTGACCACGTGGTTTGGGGCGCTGCACCAC
ATTGCCCACTACCAGCCCGAAACAGACCGCGCTCCCCGGGGGCTCAGCTCCGAGGCCCGCGCCTCCCTG
CACCAGTGGCACCGCAGGCGGACGCTGCACAGAAAGGATCATCCCAGAGCCCAGGCCAACCTGCCCTTT
AAGGAGCCATGGGCAGAAGAGACTGTGACAGGGACCAGTGACAACTAG
ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGAT
TACAAGGATGACGACGATAAGGTTTAAACGGCCGGC

Restriction Sites: SgfI-MluI

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ACCN:	NM_198445
Insert Size:	1359 bp
OTI Disclaimer:	Our molecular clone sequence data has been matched to the reference identifier above as a point of reference. Note that the complete sequence of our molecular clones may differ from the sequence published for this corresponding reference, e.g., by representing an alternative RNA splicing form or single nucleotide polymorphism (SNP).
OTI Annotation:	This TrueClone is provided through our Custom Cloning Process that includes sub-cloning into OriGene's pCMV6 vector and full sequencing to provide a non-variant match to the expected reference without frameshifts, and is delivered as lyophilized plasmid DNA.
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_198445.3
RefSeq Size:	3046 bp
RefSeq ORF:	1359 bp
Locus ID:	126432
UniProt ID:	Q6ZS11
Cytogenetics:	19q13.2
MW:	50.1 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]
Transcript Variant: This variant (2) uses an alternate splice junction at the 5' end of an exon compared to variant 1. The resulting isoform (2) is shorter at the N-terminus compared to isoform 1. Sequence Note: This RefSeq record was created from transcript and genomic sequence data to make the sequence consistent with the reference genome assembly. The genomic coordinates used for the transcript record were based on transcript alignments.