

Product datasheet for **MC219135**

Rinl (NM_177158) Mouse Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Rinl (NM_177158) Mouse Untagged Clone
Tag:	Tag Free
Symbol:	Rinl
Synonyms:	5830482F20Rik; 9930116N10Rik
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



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Fully Sequenced ORF: >MC219135 representing NM_177158
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGCATCGC**

ATGAGGCTAGCCAGCCGACATGGTGTCTGCAGCCCCTACTGAAGTGGACAGGCTGGTTGGCCACTAG
 CGGATGGAGCAGACAAGAGCCCACTAGGGGTCTCAGCACCACAGAGCCACTTCTTCGACTGCAGAGGAC
 ACAGAGAGTGTGGGAGGTCCCCGAGCTGGATGCTCAGTATGCCAAGGCCTTTCTAGAGCTGTGGCCACTG
 GGGAGCTTCTGGTCATCGGACATGAGCCTGGCCAGGTCTGATGTTGAAGGCAGGACCTTCTTCAGGAG
 ATATCAACACCTATCAAATTCAGAGGTTTCTGGAGGTGTGCTCCGGAATCCTCCAACCTCTGCATGCC
 CGACTGTCCCATCTCTGGCCTTTCTGTCAGCCAGCAGGGACGTTTGGCAAGGACCCTGCTCTTGCCC
 ACGCTACTGTGGGGCTGGAGATAATCACTCAGATCCCATCGGCTTGCTGCATCCAGGTGGACACCT
 CAGGGAGGGTGTGTCTGTAGTGAACAGCTCTACCTGGAGACACATGGAGGCTGGGGAACAGAGACTCC
 ACAGCAAACAGAGCCAGAGACTGGACAGAAATACAGTCTAGCCCCAGGAAGCCACCCACACCGGGTC
 TCTTGGGTGGAAGACCCTTTGAGACCGGAAGCTACCATACTGGACAGGAAGTGCATCATCTGGAGCAG
 ACGCTCACTCCCTTGGGTGCGAAGTGCATTTTCTGTCTGCTCTAGAAGAGGAGGAAGTGAACAACGA
 CTGCTACAAAGATGAAGACGAGGAAGTTGCGAGGATATGCTCACTGCCACATCCGTGCTCTGGCCAGG
 ACCCGGAGCAGCTATGTAGCCAGGCAGTACCGATGCCTTCGGGCACGCCTCATCTCAGATTCTGGAAATC
 CCTACAGCCCAGGGGACCCGGCCACAGAGCTGCTTCAGGATGTGCGCCAGCTCCTCACTGACCTCCAGAA
 TTACCTGGCAAAGACCCGACGTCAGAGCTGTCTTTGGGAACAGGGGACCTAGCATCCTTCGGGAAGAA
 GATCTTGGCCCCGCTGTGGAGGTGGCCCTGTGTCGAGCGGTTCTAGAGCCCTGAAGCCCGCCCTGTGGA
 CCAAATCCGAACTCTCAGAGCCAGGAACACGACGACTGCGCAGGCGCCAAATAGCCTTGAGGGTAGG
 AGCGGGGCTGAGGGACAGAGCCCGGCTTGGGAACCGGAACCGTATCCACGCACGCCTTGCTCACTTG
 CATGCGCGTGCGCCCGCGCCGCAAGGTGGCGCTGTTGCTGGCGGTGTGCAGCGACGTCTACGCGGGCC
 TAGGCGGTGGCGAGAATAAAGAGCCCTGGGGCTGACGCCTTTTACCTGCCCTGACCGAGGAGCTGAT
 CTGGAGTCCACATATTGGGGAACACAGCTGGATGTGGAGTTTCTTATGGAGCTCTTGGATCCAGGGGAG
 TTGCGAGGAGAAGCTGGTATTATCTGACCACGTGGTTTGGGGCTCTCTACCACATTGCTCACTACCAGC
 CAGACTGGCGTGCACCCAGGGGCTCAGCTCCGAGGCGCGGCTCCCTGCGCCAGTGGCATCGAAG
 ACGGACACTGCACGCAAGCCAGCCACAGCCAGGCCAACCAGCCTTTTGGAGGCCATGGGAATA
 GGGGACCA**TGA**

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites: SgfI-MluI

ACCN: NM_177158

Insert Size: 1692 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).

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:	<u>NM_177158.5, NP_796132.2</u>
RefSeq Size:	2888 bp
RefSeq ORF:	1692 bp
Locus ID:	320435
UniProt ID:	<u>Q80UW3</u>
Cytogenetics:	7 B1
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.[UniProtKB/Swiss-Prot Function]