

Product datasheet for **MC218113**

Rin2 (BC005529) Mouse Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Rin2 (BC005529) Mouse Untagged Clone
Tag:	Tag Free
Symbol:	Rin2
Synonyms:	2010003K16Rik, RASSF4
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



[View online »](#)

Fully Sequenced ORF: >BC005529
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGATCGC**

ATGAGCCTTTCCACTTCCTCCTCCGACTCGCTGGAGTTTCGACCGGAGCATGCCTCTGTATGGGTACGAGG
 CTGACACCACCAGCAGCCTGGAGGACTACGAAGGGGAGAGTGACCAAGAGACCATGGCACCTCCCATCAA
 GTCCAAAAAGAAGAGGAACAGCTCTTTTGTGCTGCCCAAGCTTGCAAGTCCCAGTTGCGAAAGATGAGC
 GGGGTGTTGAGCTCCTTCATGACCCCTGAGAAGCGGATGGTCCGAGGATCGCCGAGCTGTCCCGGACA
 AATGCACCTATTTGGGTGCTTGGTGCAGGACTACGTGAGCTTCTGAAGGAGAACAAAGGAGTGCCATGT
 GTCCAGCACCGATATGCTGCAGACCATCCGGCAGTTTATGACCCAGGTCAAGAACTATTTGTCTCAGAGC
 TCTGAAGTGGACCCCTATTGAGTCACTGATCCAGAAGACCAATTGATGTGGTGTGGAGAAGGCCA
 TGCACAAATGTATCTTGAAGCCCTCAAGGGCCATGTGGAGGCCATGCTGAAGGACTTCCACACGGCTGA
 CGGCTCGTGGAACAACCTCAAGGAAACCTACAACCTCGTCCGGCAGAGGAACCCACAGGAGCTGGGGGTC
 TTTGCCCAACCCCTGACTTGATGGAGCTGGAGAAAATCAAGCTTAAATTCATGACCATGCAGAAGATGT
 ATTCGCCAGAAAAGAAAGTCATGCTTTTGTACGGGTCTGTAAGCTCATCTACACTGTCTGAGAGAACAA
 CTCAGGGAGGATGTACGGTGCAGACGACTTCTTGCCAGTCCTGACCTATGTCTAGCTCAGTGTGACATG
 CTTGAAGTGGACACGGAATCGAGTACATGATGGAACCTCTGGACCCATCACTGCTGCACGGAGAAGGAG
 GCTATTACTTGACCAAGTGCCTATGGGGCGCTATCTCTGATAAAGAATTTCCAAGAAGAACAGGCTGCGAG
 ACTGCTCAGCTCCGAAGCCAGGGACACGCTGAGGCAAGTGGCACAAGCGGAGAACCAACCGAACTATC
 CCCTCCGTTGACGACTTTCAGAAATACCTCCGAGTTGCCTTCCAAGAGGTCAACAGCGGATGCACTGGGA
 AGACCTCCTTGTGAGACCGTACATCACCACAGAGGATGTGTGTCAGCTCTGTGCTGAGAAATTTAAGGT
 GGAGGACCTGAAGAGTACAGCCTGTTTCTTTTGTGATGAGACATGGCAACAACCTGGCAGAGGACACT
 TATCCTCAGAAGATCAAGGCCGAAGTGCACAGCCGGCCTCAGCCCCACATCTTCACTTTGTCTACAAAC
 GAATCAAGAGTGATCCTTACGGGTGATTTTCCAGAATGGAGAAGACCTCACTCCCTCATAG

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCTGAAGAGGATCTGGCAGCAAATGATATCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites: Sgfl-Mlul

ACCN: BC005529

Insert Size: 1392 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:	BC005529 , AAH05529
RefSeq Size:	3118 bp
RefSeq ORF:	1391 bp
Locus ID:	74030
Cytogenetics:	2 G1
Gene Summary:	Ras effector protein. May function as an upstream activator and/or downstream effector for RAB5B in endocytic pathway. May function as a guanine nucleotide exchange (GEF) of RAB5B, required for activating the RAB5 proteins by exchanging bound GDP for free GTP (By similarity).[UniProtKB/Swiss-Prot Function]