

Product datasheet for MC200740

Rin1 (NM_145495) Mouse Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Rin1 (NM_145495) Mouse Untagged Clone
Tag:	Tag Free
Symbol:	Rin1
Mammalian Cell Selection:	Neomycin
Vector:	PCMV6-Kan/Neo (PCMV6KN)
E. coli Selection:	Kanamycin (25 ug/mL)
Fully Sequenced ORF:	>BC011277 sequence for NM_145495

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GGGTTGGATTGTCTTCTGAGTCCCAGGAGAAGCCGAAGGAGCTCCCAGCCATGGAAGACCCTGGTGA
CCGGAGCACACCCTCTGGGAGCCACCACTGAACTTTGTACCTGGGCACCAACAGAAAAGCCATC
TACAGACCCTGTATGACACACCTGATACCAGAGGGGTACAGGCAGCGGGTCCCAACAGCCAGCACGT
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CCCAGCACAGGAGCTCCAGCGCTCCCTGGCCCTTGGAACAGCGCCCTGCGCGCCACCCACAGCTTC
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CAGGGTCTTCAATTGCCACGTTGAGCCTACTGTGCTACCAAGTTCGAGTGACCCAACAGATGCGTT
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AAAAAAAAAAAAAAAAAAAA
    
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- Restriction Sites:** RsrII-NotI
- ACCN:** NM_145495
- Insert Size:** 2292 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.

RefSeq: [BC011277](#), [AAH11277](#)

RefSeq Size: 4216 bp

RefSeq ORF: 2292 bp

Locus ID: 225870

UniProt ID: [Q921Q7](#)

Cytogenetics: 19 A

Gene Summary: Ras effector protein, which may serve as an inhibitory modulator of neuronal plasticity in aversive memory formation. Can affect Ras signaling at different levels. First, by competing with RAF1 protein for binding to activated Ras. Second, by enhancing signaling from ABL1 and ABL2, which regulate cytoskeletal remodeling. Third, by activating RAB5A, possibly by functioning as a guanine nucleotide exchange factor (GEF) for RAB5A, by exchanging bound GDP for free GTP, and facilitating Ras-activated receptor endocytosis (By similarity). [UniProtKB/Swiss-Prot Function]