

Product datasheet for **MC217952**

Rap1gap (BC052065) Mouse Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Rap1gap (BC052065) Mouse Untagged Clone
Tag:	Tag Free
Symbol:	Rap1gap
Synonyms:	1300019I11Rik; 2310004O14Rik; AI427470; ARPP-90; Gap; Rap1ga1; Rap1GAP1
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin



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Fully Sequenced ORF: >BC052065
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGATCGCC**

ATGGATGAACAGCGATGCTCCTCCCGCCACCCTCAAGACGGAGGAGGACTACATTCCTACCCAAGTG
 TCCATGAGGTTTTGGGGGAGAAGGGCCCTTCCCCTCATCCTACTGCCCAAGTTTGGGGGCTACTGGAT
 TGAAAGCACCAACCATGAAATCAGCAGCCTCCCTGAGACAGAGCCGCTGCACTCTCCACCACCAAGGTC
 AAGCTGGAGTGCAACCCACAGCCGAATCTACCGGAAGCACTTCTGGGCAAGGAGCACTTCAATTACT
 ATTCACTGGACTGCTCTCGGCCACCTGGTATTCTCGCTCAAGTATGATGTCATCGGGATCAGGAGCA
 CCTGCGGTGTTGCTTAGGACCAAGTGTGCGACCACCACGATGTCATCCCCATCTCTGCCTCACCGAG
 TTCACCAAGTGGTCCAGATGGCAAAGTGGTATGTGAGGATGTCATGTGGATCGATTCTACCCGTGC
 TTTACCCTAAGGCCTCCAGGCTCATTGTCACCTTTGACGAACATGTTATCAGCAATAACTCAAGTTTGG
 AGTCATTTATCAGAAGCTTGGCCAGACCTGAGGAAGAACTATTCAGTACCAACGAGGAAAGTCCCTGCC
 TTCGTGGAATTCCTGGAGTTCTGGGCCAGAAAGTGAATTCAGGATTTCAAGGGTTCAGGAGGACC
 TTGACGTGACTCACGGGACAGCGGGACCGAGTCCGTATACTGCAACTCCGCAACAAGGAGATCATGTT
 TCACGTGTCCACCAAGCTGCCATACACAGAAGGGGACGCTCAGCAGTTGCAGCGGAAGCGGCATATCGGG
 AACGACATCGTCGCTGTGGTCTTCCAGGACGAAAAACAGCCCTTCGTGCCAGACATGATTGCATCCAAC
 TTCTGCATGCCTATGTGGTGGTGCAGGCAGAGGGGGTGGCCCCGATGGCCCCCTCTACAAGTCTCTGT
 CACTGCTAGAGACGATGTGCCCTTTTTGGGCCCTCCCTCCGGATCCTGCTGTGTTAGGAAGGGGCT
 GAGTTCAGGAATTTCTGCTGACGAAGTTGATCAATGCCGAGTATGCGTGTTACAAGCAGAGAAGTTTG
 CCAAATGGAGGACGGACGCGTCCCGCCCTTTGAGACGCTCTACGAGGAGCTCCATATTCACAGCCA
 GTCATGATGGGCTCGGCGGCGACGACGACAAGATGGAGAACGGCAGCGGTGGGGTGGCTTCTTCGAG
 TCTTTCAAGAGGGTCATCCGGAGCCGGAGTCAAGTCCATGGATGCCATGGGACTGAGCAACAAGAAACCA
 ACACCGTGTCAACTAGCCACAGTGGGAGCTTACCCCCAACAACCCTGACCTGGCCAAGGACGCGGCAT
 ATCCCTGATTGTCCCTGGAAAAAGCCCCACAAGGAAGAAGTCTGGTCCGTTTGGCTCACGCCGACGAGT
 GCCATTGGCATCGAGAACATCCAGGAGGTTCCAGGAGAAGAGGGAGAGCCCTCCAGCTGGCCAGAAGACCC
 CAGACAGCGGGCATGTCTACAAGAGCCCAAGTCCAGAACTCATCCACTCAGAGCTCCCAGAGATGCC
 CACGACCAAGAACAGAGTGGAGTCCGCTGCCAGAGAACGGAAGTGTGCAGGGCTTCTCCAGATCTTCC
 TCCAGCGCCAGCAGCTTACCAGCGTGGTGGAGGACGAGGGGCTAGACGGGGATGATACAGGCTGC
 ACATGGCTGGACGACAGGCTGAGCACCAGAGCGGGGGCAGCTCCCCAGTGAGGTGGCTCCCTCCTGCC
 CCCTTCCAGGCCTCACACGGTCAACCCACCCAGACGTCGGCAAGTCCGGGGACCCCTGCCTGTCCCAGGA
 TCAAGTCCAACCTGAAACATCTGAGCAGCACACCCAGATGGGCTGCTAGCTGTACCTCATCAGCA
 GGCGGGACTGA

AG**CGGACCG**ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCTGAAGAGGATCTGGCAGCAAATGATA
 TCCTGGATTACAAGGATGACGACGATAAGGTTAA

Restriction Sites: SgfI-RsrII
ACCN: BC052065
Insert Size: 1971 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: [BC052065](#), [AAH52065](#)

RefSeq Size: 3215 bp

RefSeq ORF: 1970 bp

Locus ID: 110351

Cytogenetics: 4 70.02 cM

Gene Summary: GTPase activator for the nuclear Ras-related regulatory protein RAP-1A (KREV-1), converting it to the putatively inactive GDP-bound state.[UniProtKB/Swiss-Prot Function]