

Product datasheet for **MC200346**

Arpc1a (NM_019767) Mouse Untagged Clone

Product data:

Product Type: Expression Plasmids
Product Name: Arpc1a (NM_019767) Mouse Untagged Clone
Tag: Tag Free
Symbol: Arpc1a
Synonyms: 41kDa; 0610010H08Rik; 1110030K07Rik; AA407347; Sid32; Sid329
Mammalian Cell Selection: Neomycin
Vector: PCMV6-Kan/Neo (PCMV6KN)
E. coli Selection: Kanamycin (25 ug/mL)

Fully Sequenced ORF: >BC001988 sequence for NM_019767
 GCGCCCGCCGGAGCCAGTTCGCGTCTGACTGACCCAGAGTCCGCGAATCGTCCGCTCCGGACCTCCAGACCT
 CCCC AACCTCAGCTTTCTGACCTGTGAAAACACTTAAGAATCATGTCTCTGCATCAGTTTCTGCTGGAGC
 CAATCACCTGCCATGCCTGGAACAGGGATCGTACCCAGATCGCCCTGAGCCCAATAACCATGAGGTGCA
 CATCTATAAGAAGAAATGGGAGTCACTGGACGAAAGCGCACGAGCTGAAGGAACATAATGGGCATATCACA
 GGTATTGACTGGGCTCCTAAGAGCGACCGTATTGTCACTTGTGGGGCAGACCGCAACGCCTATGTCTGGA
 GTCAGAAAGATGGCATCTGGAAGCCACCCTGGTATCCTGAGGATTAACCGTGCAGCCACTTTTGTGAA
 GTGGTCCCCTGAGAACAAAGTTTGTGTGGGGAGCGGAGCCCGGCTCATCTGTCTGTTACTTTGAG
 TCTGAGAAATGACTGGTGGTGAGCAAGCACATTAAGAAGCCGATCCGCTCCACAGTCCCTCAGCTTGGACT
 GGCATCCCAACAATGTTTTGCTGGCTGCAGGCTCCTGTGACTTCAAATGCAGAGTGTCTCTGCCTATAT
 CAAAGAGGTGGATGAGAAGCCAGCCAGCACGCCCTGGGGCAGCAAGATGCCTTTTGGTCACTGATGTCT
 GAGTTTGGTGGCAGTGGCACCGCGGCTGGGTGCATGGGGTCACTTTCTGCCAGTGGGAACCGCCTGG
 CCTGGGTCAAGCCAGCACAGCAGTGTCTGTTGCTGATGCCTCAAAAAGTGTGCAGGTTTCAACTCTGAG
 AACAGAGTTTCTGCCGCTGCTCAGTGTGTCAATTTGTCTCAGAGAACAGCGTGGTGGCTGCCGGCCATGAC
 TGCTGCCCGATGCTCTTTAACTACGATGACCGTGGCTGTTTGACCTTTGTGTCCAAACTGGATGTCCCAA
 AACAGAGCATCCAGCGCAACATGTCTGCTATGGAACGTTTCCGTAACATGGACAAGAGGGCCACTACTGA
 GGACCGCAACACAGCCTTGAAAACACTGCACCAGAACAGCATCACTCAAGTGTCTATTTATGAAGTGGAC
 AAGCAAGATTGTCGAAATTTTGCCTACTGGCATTGATGGAGCCATGACAATTTGGGATTTCAAGACCC
 TAGAGTCTCCATCCAGGGTCTCCGGATAATGTGAAGCCGAGCGAGCCTTGGCATCCAGCATGAGGAAC
 AGGACTGAGCGCCTCTGCTGTTTACGTGCTGGTGAAGATCGCTGGCCAGGAAACACTGTACACTGAA
 GCAACTAGCGTGTTCCTGTGGATGTCGTGGGTGACGTGTGCCATTTAGAGACGGCAGTGGTTCGTTTT
 GATTTTTCTTTTCAATTTGTTTTGTTTTGATTTTGTCTATCTCATTCCATTTTGGACAAAGCTTCTTTTA
 AGTAGTTTATTATGGAAGATTGTACACTAACTTAAAGGGGAAGGGAAGTATGTACATTGTGTGCTAAAA
 AAAATTAAGAAAAATCCCAAGTGTGAAAAAAAAAAAAAAAAAAAAAAAAAAAAA

Restriction Sites: RsrII-NotI



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ACCN:	NM_019767
Insert Size:	1113 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:	<ol style="list-style-type: none">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:	BC001988 , AAH01988
RefSeq Size:	1592 bp
RefSeq ORF:	1113 bp
Locus ID:	56443
UniProt ID:	Q9R0Q6
Cytogenetics:	5 G2
Gene Summary:	Probably functions as component of the Arp2/3 complex which is involved in regulation of actin polymerization and together with an activating nucleation-promoting factor (NPF) mediates the formation of branched actin networks (By similarity). In addition to its role in the cytoplasmic cytoskeleton, the Arp2/3 complex also promotes actin polymerization in the nucleus, thereby regulating gene transcription and repair of damaged DNA (By similarity). [UniProtKB/Swiss-Prot Function]