

Product datasheet for **MC221103**

Arap1 (NM_198096) Mouse Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Arap1 (NM_198096) Mouse Untagged Clone
Tag:	Tag Free
Symbol:	Arap1
Synonyms:	2410002L19Rik; Centd2; mKIAA0782
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



[View online »](#)

Fully Sequenced ORF: >MC221103 representing NM_198096
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGGATCGCC**

ATGGAGTTTCTACGGAATAATCAGAGTACAGAGTCCCTCGGTTGGACTCAGTGAAGCCCTTGGAAAAGC
 ACTACTCCGTTACCCTGCCAACTGTGAGCCACAGCGGCTTCTGTACAAAACCTGCTTCTGCCGGCAAACC
 TCTGCAGGACCGCGTGCCCGGGAAGAGTTCAGCCGGCGCTGGTGTGTCCTGAGTGATGGGGTCTGAGC
 TACTATGAAAACGAACGGGCAGTGACACCCAATGGGGAGATTCGGGCCAGCGAGATAGTATGCCTAGCAG
 TTTCCCTCTGGACACCCATGGCTTTGAGCACACCTTTGAGGTGTACACAGAGGGAGAACGGCTGTACCT
 GTTTGGGCTGGAGAATGCAGAGCTGGCTCATGAGTGGGTCAAGTGCATTGCCAAGGCGTTCGTGCCTCCC
 CTGGCTGAGGACCTGCTAGCCCGGACTTTGAACGTCTGGGCGCCTACCCTGTAAGCTGGCCTGAGCC
 TTCAGCAGGCTCAGGAAGGCTGGTTTGCCTTGACTGGCTCTGAGCTCCGGGCTGTCTTCCAGAGGGGCC
 CTGGGAAGAGCCGCTGCAGCTCCGAAACTGCAAGAGCTTTCTATCCAAGGAGACAGCGAGAACCAAGTG
 CTGGTGTCTGGTGGAGCGGAGGAGACTGTACATCCAGGGTGAGCGGGCTGGACTTCATGGCTTGGC
 TAGGGGTTCATCCAGAAAGCAGCAGCCAGCTTGGGAGACACACTATCAGAACAAACAGCTTGGGGACTCGGA
 CATCCCAGTGATTGTGTACCGCTGTGTGGACTACATCACGAGTGTGGCTTGACCTCAGAGGGTATCTAT
 CGAAAGTGTGGTCCAGACTCCAAGACTCAGAGACTGCTAGACAGCCTCCGGCAGGACGCACGCTCTGTGC
 ACCTAAAGGAGGGAGAACAGCACGTGGACGACGTCTCCTCTGCACTCAAACGCTTCTCAGGGACCTGCC
 CGATGGGCTCTCACGCGTGCGCAGCGCCTGGCCTGGCTGGAGGCTCTGAGATCGAGGATGAGGAAGAA
 AAGATCTCCAGGTATCGAGAGCTTTGGTGCATCTGCCCTGTCAACCGGGCCACTGTGAAGGCCCTTA
 TCAGCCATCTGTACTGTGTACAGTCTTCTCAGACACAAACAAATGAACACACACAACCTGGCTATCGT
 GTTTGGGCTACACTTCCAGACAGACGGGCAGGACTACAAGGCCGGCAAGGTGGTGAAGACCTCATC
 AACCACTACGTGGTGGTGTTCAGTGTGGACGAGGAGGCTGAGGAAGCAGAGGGAGGAAGTACACGGCCA
 TCGTGAAGATGCGAGTGGCTGGCACTGCCAGTGGGACCCAGCATGCTGGCGACTTCATCTGCACAGTCTA
 CCTGGAGGAGAAGAAGGTGGAGACTGAACAGCATGTTAAGATCCAGCATCCATGACTGCAGAGGAGCTT
 ACTCTGGAGATTCTGGACCGCCGAATGTGAGCATCAGGGAGAAGGACTACTGGACTTGCCTTGGAGTCA
 ACGAGAAGGAGGAGGCAGAGCGCCCGCTGCACCTTGCAGAGAAGGTGCTGCCATTGTCCATGGGCTGGG
 CATAGACAGCCATCTGGTGGTGAAGAAGTACCAGTCCATGGAGGCCATGCTGTTGTACTTGGCCAGCCGT
 GTGGGTGACACCAAGCATGGTATGATGAAGTCCGTGAAGACCGCAGCCTCCTGGGTCTGGGGCTACCTT
 CGGGTGGCTTCCACGATCGTACTTCACTTCTCAACAGCAGCTGCCTACGGCTCTACAAGGAGTCCGGAG
 TCACCGCCTGAGAAGGAGTGGCCTGTCAAGAGCCTCAAAGTCTACCTGGGTGTAAGAAGAAACTGCGG
 CCACCTACTTGTGGGGCTTACGGTGGTGCACGAGACAGAAAAGCAGGAGAAGCAGCAGTGGTACCTCT
 GCTGTGACACGCAGATGGAACCTCGAGAGTGGTTTGGCACCTTCTCTCTGTGCAGCAGCATGGCCTGGT
 GTGGCCCTCCGAGCCATCTCGAGTGTCCCGGCAGTGCCTGAGGTCCGGATGGGCAGTGTATCGCTGATC
 CCTCTACGAGGCAGTAAAAATGAAATGCGCCGGAGTGTGGCAGCCTTCACTGTGACCCCTTCCCTTC
 TCCGCCATGTC**TGA**

AG**CGGACCG**ACGCGTACGCGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCC
 TGGATTACAAGGATGACGACGATAAGGTTTAA

Restriction Sites: SgfI-RsrII

ACCN: NM_198096

Insert Size: 2184 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:	<u>NM_198096.1, NP_932764.1</u>
RefSeq Size:	3673 bp
RefSeq ORF:	2184 bp
Locus ID:	69710
UniProt ID:	<u>Q4LDD4</u>
Cytogenetics:	7 E2
Gene Summary:	<p>Phosphatidylinositol 3,4,5-trisphosphate-dependent GTPase-activating protein that modulates actin cytoskeleton remodeling by regulating ARF and RHO family members. Is activated by phosphatidylinositol 3,4,5-trisphosphate (PtdIns(3,4,5)P3) binding. Can be activated by phosphatidylinositol 3,4-bisphosphate (PtdIns(3,4,5)P2) binding, albeit with lower efficiency. Has a preference for ARF1 and ARF5 (By similarity).[UniProtKB/Swiss-Prot Function]</p> <p>Transcript Variant: This variant (2) differs in the 5' UTR and lacks some 5' coding sequence, compared to variant 3. These differences cause translation initiation at a downstream AUG and an isoform (2) with a shorter N-terminus compared to isoform 3. Sequence Note: This RefSeq record was created using sequences from two different strains, C57BL/6J and FVB/N-3, because no single transcript from the same strain was available for the full length of the gene.</p>