

## Product datasheet for **MC229596**

### Arap3 (NM\_001205336) Mouse Untagged Clone

#### Product data:

**Product Type:** Expression Plasmids  
**Product Name:** Arap3 (NM\_001205336) Mouse Untagged Clone  
**Tag:** Tag Free  
**Symbol:** Arap3  
**Synonyms:** Centd; Centd3; cnt-d3; DRA; Drag1; E030006K04Rik  
**Vector:** pCMV6-Entry (PS100001)  
**E. coli Selection:** Kanamycin (25 ug/mL)  
**Cell Selection:** Neomycin  
**Fully Sequenced ORF:** >MC229596 representing NM\_001205336  
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
 GCC**CGATCGCC**

ATGGAGCCAACTCCCAGCCCAGCCCCTGATGCCAAACCCCAAGCCTGTGCCTAAGCCCAGGACGGTGT  
 TTGGGCTCAGCAACCCTGCCACTGCCAGAGCCCTGGACTGAGCCCAATCTTCTGGGATCCAGAAGTATC  
 CAGGAAGTACAGAGTGTACGCAAAGATCCTCTCCTCTCCTTCTCCTCTCTGAACAGCCTTCAGTCCC  
 AATACCATGGAGATGATGCCTAATGCCATCTACTTTGGCCTGGACTTAAGAGGTCGGGCCAGGCAGCTC  
 AGGACGTGACTCCAGATAGTTCTCAGGCGACTGTCCCAACCCCTGCCTCAGGCCACAACAGGCACAGT  
 GCACATCATGGATCCTGGTTGCCTGACTACGGTGTCCAGCCTGTGGGGATCCCAGGAGCCTCTGACAGG  
 AGAGACGGCAGGGGTGTCTGTCCAGGAAAGGGCAGAACACAGACAGGATCTGGAGACACGGGAGGATGCTG  
 GTTATGCCAGCCTCGAGCTACCTGGAGACTCCATTCTTTCGCTACCCACCAGGATGCAGAGACCAGTGA  
 TGACCTCATTTCCGCCATGCCAGCTTCTCCTCCACAGCAGATCGTCCCCTGCCTCTGCTCAGTGGCTGG  
 CTGGACAAGCTCTCACCTCAGGAAACTATGTGTTCCAGAGCGTTTTGTGCAGTTCAATGGAAGGAGTC  
 TAATGTACTTTGGCAGTGACAAGGACCCCTTCCCAAAGGTGTGATCCCTCTGACTGCCATCGAGATGAC  
 CCGAAGCAGCAAGGACAACAAATTCAGGTCATTACCGGCCAGAGAGATTTGTGTTCCGCACAGAGAGT  
 GAGGCTCAGCGTGACCTATGGTGTCCACGCTGCAATCCTGCCTGAAGGAACAGCGCCTCCTGGGCCACC  
 CCCGGCCCCCTCACCCACCACGACCCCTCCGCACGGGCACGTTAGAGTTGCGTGGACACAAGGCCAAGGT  
 GTTTGCTGCCTTGATCCCTGGAGAGCTGGCACTGTACAAGAGTGAGCAGGCCCTTCTCACTGGGCATCGGG  
 ATCTGCTTCATTGAAGTCAAGGCTGCAGTGTCCGGGAGACCAAGAGTCAAGCTTCGATCTGCTCACAC  
 CCCATCGTGTCTCAGCTTCACAGCCGAGTCTGGGGGGGCTCGACAGAGCTGGGCAGCCGCTCTGCAAGA  
 AGCAGTAACCGAGACTGTCTGACTACGAGGTGGCTGAGAAGGTCTGGTCCAACCCGGCAAACCGGCAT  
 TGTGCGGACTGCAGGGCCTCCCGCCGATTGGGCTGCCGTCAACCTGGGGTCTGTCATCTGCAAGCAGT  
 GTGCAGGTCAGCACAGGGCCCTGGGCTCTGGGATCTCAAAGGTGCAGAGCCTGAAGCTGGACACGAGTGT  
 CTGGAGTAATGAGATAGTGCAGCTGTTCATTGTCTGGGAAATGATCGTGCCAATTGCTTCTGGGCAGGG  
 GCACCTCCCCAGGTGAAGGGCTGCATCCAGATTACGCCCTGGCCCTCGAGGAGAGTTCATCTCCCGAA



AGTATAAGCTGGGTCTCTCCGGAAGCCCCACCCTCGGCATCCAGATCATAGCCAGCTTCTCCAGGCACT  
 GTGTGCAGCTATGGCAGGACCCAACCTGCTCAAGAACATGGCCCAGCTTCTCTGTGTCGAAACCTCTGAG  
 GGAGAGGAACCCCTTGCCCTTCAGCCCTCAATGGCAGCTTGCTTAGCCTTCTACCTTCAGACTCCCCTG  
 GAGTATACAATGAGGTGGTAGTGCCTGCCACTTACAGAGGTTTCTGTACTGTGGCTCCATCAGCAACAA  
 GGCTGGAGCCCCACCCCTTCGCAGGGGCCGGGATGCTCCTCCCGCTTGTGGTGTGTGCTGGGAGCTGCC  
 CTGGAAATGTTTGCATCAGAGAGCAGCCCTGAACCCCTCAGCCTTCTCCAGCCCCAGGATATTGTATGTC  
 TGGGTGAAGCCCCACCTGCTGATCCAGGTGACCTTGACAGGTTCCCTTTTCTTTGAACTCATCTCT  
 CACTGGGGGAAGAATCCAGCATTTTCCACTGATGGAGCAGACAGTCTAGAGGCCTGGATCAGTGCAGTG  
 GGCAAGTGGTTCTCCCGCTCAGCTGCCACCAGCTGCTGGGCCCTGGGTTGCTGCGGATGGTTCGCCTGT  
 GGCTACGGTCCCCTCCCACGCAGGCTGGCCCTGGTCTCTGGCTGTCGGGCTTCGGCCTCCTTCGTGG  
 TGATCATCTTCTGTGCCAGCGCTGGCCCTGGTCCCCTGCTCCGAGGACATGGTGCATTTACGA  
 CGTCTACAGGAGATCAGTGTGGTCTCGGCAGTGACACTCCAGACAAAAAGGAGCATTGGTCTTGTAG  
 AGACAGGAAGGACCTGTATTTGCAGGGGAAGGCAGGCTAGACTTTGCAGCGTGAACACGGCCATTGG  
 AGGTGCTCCGGAGGGGGTGGCACGGCCCTGCAGGAGCAGCAGATGAGCCGGGAGACATCCCTATCATT  
 GTGGACGCTTGCATCAGTTTTGTACGCAGCATGGGCTCCGGCTGGAAGGTGTATATCGAAAGGAGGCG  
 CTCGAGCCCGCAGCCTGGGACTTTGGCTGAGTTAGGCCGGATGCCCGTCAAGTGAAGCTTAGACCACG  
 GAAACTTTGTAGAAGATGTTACTGACACACTCAAACGTTCTTTTCGAGAGCTTGATGACCCCGTGACC  
 TCTGCTAGGTTGCTGCCTCGATGGAGAGAAGTGCAGAGCTTCCAGAAGAATCAGCGCCTGGAGAAGT  
 ACAAAGAAGTGATTAGCTGCCTGCCTCGAGTCAACCGCAGAACTGGCCACCCTCATCGGGCATCTGTA  
 CCGGGTGCAGAAGTGTGCGTCTCTAAACCAGATGTGCACGCGAACTGGCCCTACTGTTTGACCTAGT  
 GTGTTCCAGACAGATGGCGGGGAGAGCATGAGGTTCCGGTACTGCAGGAGCTCATCGATGGCTACATCT  
 CTGTTTTGATATTGACTCGGACCAGGCAGCTCAGATTGACTTGGAGGTGAGTCTCATTACCACCTGGAA  
 GGATGTGCAAGTTGCTCCAGGCTGGAGACCTCATCATGGAGTTTACATAGAACAGCAGCTCCCGGACAAC  
 TGTGTACCCCTAAAGGTATCCCCAACACTGACTGCTGAGGAGTTGACTAACAGGTGCTGGAGATGCGAG  
 GGGCGGCATCGGGGACAGACTTGTGGGTGACATTTGAAATTTTGAACACGGAGAGCTTGAGAGGCCACT  
 GCACCCCAAAGAAAAGTTCTAGAGCAGGCCTGCAGTGGTGCCAGCTTCCAGAGCCCTGCTCAGCCTCT  
 CTGCTTCTGAGAAAAGTCTCTATGGCACACGCTGGCTGCCTTTCACAGGAGTCCGGCGTGAGAGCCAC  
 GAGTGGGGCTGCTACGGTGTGCTGAGGAGCCACCTCGATTGCTGGGAAACCGTTTCCAGGAGAGTTCTT  
 TTTGGTGCCTGGCCGATGCCTGCTGCTCAAGGAGAAGAAGAGCTCTAAGCCAGAACGGGAGTGGTCT  
 CTGGAAGGTGCCAAGTCTACCTGGGAATCCGCAAGAAGTTAAAACCTCCAACACTGTGGGTTTACAT  
 TAATATTGAAAAGATGCACCTGTCTGTCTGCTGATGGATGAGGAGGAGATGTGGGACTGGACCACAAG  
 CATCCTTAAAGCCAGCATGATGACCAACAGTCCGTGGTTTTACGTCGCGGTTCTCCTCTGACCTTGCT  
 CGTCAGAAGTTTGGCACTATGCCCTTGCTGCCATCCGAGGGGATGACAGTGGAGCCACCCTTCTCTCTG  
 CCAATCAGACCCTGCGGCGACTACACAACCGGAGGACCTTATCCATGTTCTTTCCAATGAAGTACCCCCA  
 GGGATCTGTGGAAGAGCAAGATGAGCTGGAGGAGCCTGTGTATGAAGAGCCAGTATATGAGGAGGTCCGG  
 GCCTTCCCTGAGCTTACCAAGGACACGACCTTCTCTTCCACATGGGAGTGGTCAGCCAAGTCAGATCCAT  
 CCCTTACCAGCCAGAGGTCTTTGATCAACCCCTCTCCAAGCAAGCATGTTGGGCCACGAAGAGAG  
 GATACCTGACCTCCTCCGGGCCCTTCAAAAAGCAGTTCTCAGGCACGAGGGTCCCTAGAGGAACAG  
 CTGCTTACAGAACTCAACAACCTCATCCTGAGGAAAGGAGAGCCTGCCTCGTCCCAGAAAAGCTCTTCCC  
 AGCCCACAGTCCCCAAGCCCCAAGCCCCACCAGCCTTCCAACACCGACCCCAAGCTTACCCACCCAACC  
 GCCTGCACTTCCAATCCACCCTCCAGCCAGCCTCTCACATGA

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
 ACAAGGATGACGACGATAAGGTTTAA

**Restriction Sites:** SgfI-MluI  
**ACCN:** NM\_001205336  
**Insert Size:** 4383 bp

<b>OTI Disclaimer:</b>	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).
<b>OTI Annotation:</b>	Clone contains native stop codon, and expresses the complete ORF without any c-terminal tag.
<b>Components:</b>	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).
<b>Reconstitution Method:</b>	<ol style="list-style-type: none"><li>1. Centrifuge at 5,000xg for 5min.</li><li>2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA.</li><li>3. Close the tube and incubate for 10 minutes at room temperature.</li><li>4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom.</li><li>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.</li></ol>
<b>RefSeq:</b>	<u><a href="#">NM_001205336.1</a></u> , <u><a href="#">NP_001192265.1</a></u>
<b>RefSeq Size:</b>	5425 bp
<b>RefSeq ORF:</b>	4383 bp
<b>Locus ID:</b>	106952
<b>UniProt ID:</b>	<u><a href="#">Q8R5G7</a></u>
<b>Cytogenetics:</b>	18 B3
<b>Gene Summary:</b>	<p>This gene encodes a phosphoinositide binding protein containing ARF-GAP, RHO-GAP, RAS-associating, and pleckstrin homology domains. The ARF-GAP and RHO-GAP domains cooperate in mediating rearrangements in the cell cytoskeleton and cell shape. It is a specific PtdIns(3,4,5)P3/PtdIns(3,4)P2-stimulated Arf6-GAP protein. Two transcript variants encoding different isoforms have been found for this gene. [provided by RefSeq, Sep 2015]</p> <p>Transcript Variant: This variant (2) differs in the 5' UTR, lacks a portion of the 5' coding region, and initiates translation at a downstream, in-frame start codon, compared to variant 1. The encoded isoform (2) has a shorter N-terminus, compared to isoform 1. Sequence Note: The RefSeq transcript and protein were derived from genomic sequence to make the sequence consistent with the reference genome assembly. The genomic coordinates used for the transcript record were based on alignments.</p>