

Product datasheet for **RC221115**

ARAP3 (NM_022481) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	ARAP3 (NM_022481) Human Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	ARAP3
Synonyms:	CENTD3; DRAG1
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
ORF Nucleotide Sequence:	>RC221115 representing NM_022481 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCCGCC**CGATCGCC**

ATGGCTGCCCTCAGGACCTGGACATCGCTGTGTGGCTGGCCACGGTGCACCTGGAGCAGTATGCAGACA
CGTTCCGACGGCATGGCCTGGCTACAGCAGGTGCAGCCCGGGCCTGGGCCACGAGGAGTTGAAGCAGTT
GGGCATCAGCGCCACAGGGCACCAGGAAACGCATTCTACGCTGCTGCAGACAGGCACCGAAGAGGGCTCC
CTGGATCCCAAATCAGATAGTCCATGGAACATCCCCAGCCAGCCCCGCAAGCCAGCCCCCTAAGC
CCGTGCCGAAGCCAGGACCGTGTGGTGGACTCAGTGGCCCTGCCACCACTCAGAGACCTGGGCTGAG
CCCAGCCCTCGGGGACCAGGAGTGTCCAGGAGCCAGAGCCAGCCCAAGGCCCCCTCCTCTCCCACT
TCTCCTCTGAGCAGTCTTCAGCCCTAAATACTGTGGAGATGATGCCTAATTCATCTACTTCGGCTGG
ACTCAAGAGGCAGGGCACAGGCAGCTCAGGACAAGGCCCCAGACAGCTCCCAAATCTCTGCCCCACCCC
TGCCCTCAGGCCACAACAGGCACAGTGCACATCATGGATCCTGGTTGCCTGTACTATGGTGTCCAACCT
GTGGGGACTCCAGGAGCCCCGACAGAAGAGAGAGCAGAGGTGTTTGTGAGGGCAGGGCTGAACACAGGC
TCAGCAGACAGGATCTGGAGGCACGGGAGGATGCTGGCTATGCCAGCCTTGAGCTACCTGGAGACTCCAC
CCTCTTATCGCCACCCTGGAACAGAGGAGACCAGTATGACCTCATTTACCCATGCCAGCTTCTCC
TTCACGGCAGACCGCCTCAGCCCTGCTCAGTGGCTAGACAAGCTCTCCCTCAGGAAACTATG
TCTCCAGAGACGCTTTGTGCAATTCAATGGGAGGAGTCTGATGTACTTTGGCAGTGACAAGGACCCTT
CCCTAAGGGTGTGATACCTTTGACTGCCATTGAGATGACCCGCAGCAGCAAGGACAACAAGTTCCAGGTC
ATCACCGCCAGAGGGTGTTCGTGTTCCGCACAGAGAGCGAGGCTCAGCGGGACATGTGGTGTCCACGC
TGCAGTCTGTCTGAAGGAGCAGCGCCTCCTGGGCCACCCCGGCCCAACCACCCGACCCCTCCG
CACGGCATGCTGGAGCTGCGTGGACACAAGGCCAAGGTGTTTGTGCTTGAGCCCTGGAGAGCTGGCA
CTGTACAAGAGTGAGCAGGCCTTCTCTGGGCATCGGGATCTGCTTCATCGAAGTGCAGGGCTGCAGCG
TCCGGGAGACCAAGAGTGAAGCTTTGACCTGCTCACACCCATCGCTGCTTCAGCTTCACAGCCGAGTC
TGGGGTGTCTCGCAGAGCTGGGCGCCGCTCTGCAGGAAGCAGTAACCGAGACCCTGTCTGACTACGAG



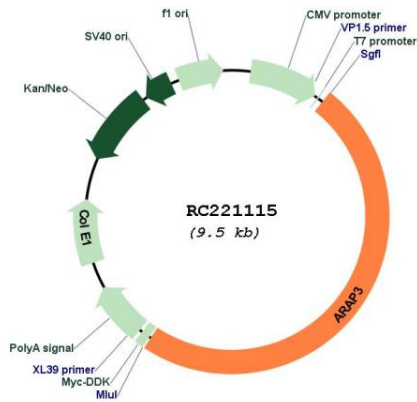
[View online >](#)

GTGGCTGAGAAGATCTGGTCTAATCGGGCCAACCGGCAGTGTGCGGACTGTGGGTCTCCCGCCAGATT
 GGGCTGCTGTCAATTTGGGGTGGTCTATCTGCAAGCAGTGTGCAGGTGAGCAGCCGGCCCTGGGTTCTGG
 GATCTCCAAGGTGCAGAGCCTGAAGCTGGACACGAGTGTCTGGAGTAATGAGATAGTACAGTTATTCATT
 GTCCTGGGAAATGATCGTGCCAACCGCTTCTGGGCAGGGACCCTACCCCCAGGTGAGGGACTACATCCAG
 ATGCGACCCCTGGCCCCGGGGAGAGTTTCATCTCCGAAAGTACCGTCTGGGTCTTCCGGAAGCCCCA
 CCCTCAGTACCCAGATCATAGCCAGCTTCTCCAGGCAGTGTGTGCAGCTGTGGCAAGACCCCAACCTGCTG
 AAGAACATGACCCAGTCCCTCTGTGTTGAGGCCTTTGAAGGCGAGGAGCCCTGGTTCCTCCCGAGCCCTG
 ATGGCAGCTGCCCTGGCCTCTTGCCCTCAGACCCCTCCCCTGGTGTGTACAATGAGGTGGTGGTGGGTGC
 TACTTACAGCGGCTTCTGTACTGCAGTCCCGTACGCAACAAAGCTGGACCCTCACCCCTCGCAGGGG
 CGGGATGCTCCCCGCGCCTTTGGTGTGTGCTGGGAGCAGCTCTGGAAATGTTTGCATCGGAAAACAGCC
 CTGAACCCCTCAGCCTCATACAGCCCCAGGATATTGTATGTCTGGGTGTGAGCCCCCACCAGTACCC
 AGGTGACAGGTTCCCTTTTCTTTGAGCTCATCTCGTGGGGGAGGATCCAGCATTGTTGACACAGAT
 GGAGCTGACAGTCTGGAGCCTGGACTAGTGTGTGGCAAGTGGTTCCTCCCGTGTGAGTGCACCAGC
 TGCTGGGCCCCGGGCTGTGCGGCTGGCCGCCTATGGTGTGGTCCCTCCATACAGCCCCGGCCCC
 TGGTCTCTGGCTGTGAGGTTTGGCCTCCTTCGTGGTACCACCTTCTCTGTGCTCAGCGCCGGGCCA
 GGCCCCCAGCCCTGAGGACATGGTGCATCTGCGGCGGTACAGGAGATCAGTGTGGTTCCTGCAGCTG
 ACACCCAGATAAGAAAGAGCATTGGTCTGGTGGAGACAGGAAGACCTGTATCTGCAAGGAGAGGG
 CCGGTGGACTTACGGCATGGAACGCAGCCATTGGGGCGCGGCTGGTGGGGCGGCACAGGGTGCAG
 GAGCAGCAGATGAGCCGGGTGACATCCCCATCATCGTGGATGCCTGCATCAGTTTTGTTACCCAGCATG
 GGCTCCGGCTGGAAGGTGATACCGAAAGGGGGCGCTCGTGCCCGCAGCCTGAGACTCCTGGCTGAGTT
 CCGTCGGGATGCCGGTGGTGAAGCTCCGACCAGGGGAGCACTTGTGGAGGATGCTACTGACACACT
 AAACGCTTCTTTCGTGAGCTCGATGACCCTGTACCTCTGCACGGTTCCTGCCTCGTGGAGGGAGGCTG
 CTGAGTGCCTCCAGAAATCAGCGCTGGAGAAATATAAGATGTGATTGGTGCCTGCCGCGGTCAA
 CGCCCGCACACTGGCCACCCTCATTGGGATCTCTATCGGGTGCAGAAATGTGCGGCTCTAAACCAGATG
 TGCACGCGGAACCTGGCTCTGCTGTTTGCACCCAGCGTGTCCAGACGGATGGGCGAGGGGAGCAGGAGG
 TGCGAGTGTGCAAGAGCTCATTGATGGCTACATCTCTGTCTTTGATATCGATTCTGACCAGGTAGCTCA
 GATTGACTTGGAGGTGAGTCTTATCACCACCTGGAAGGACGTGCAGCTGTCTCAGGCTGGAGACCTCATC
 ATGGAAGTTTATATAGAGCAGCAGCTCCAGACAACCTGTGTACCCTGAAGGTGTCCCAACCCCTGACTG
 CTGAGGAGCTGACTAACCAGGTACTGGAGATGCGGGGACAGCAGCTGGGATGGACTGTGGGTGACTTT
 TGAGATTGCGGAGCATGGGGAGCTGGAGCGCCACTGCATCCCAAGGAAAAGTCTTAGAGCAGGCTTTA
 CAATGGTGCCAGCTCCCAGACCCCTGCTCAGCCTCCCTGCTCTTGAAGAAAGTCCCTGGCCCAAGCTG
 GCTGCCTTTCACAGGTATCCGACGTGAGAGCCACGGGTGGGGCTGTTGCGGTGTGCTGAGGAGCCACC
 TCGCTTGTGGGAAGCCGCTTCCAGGAGAGGTTCTTTCTGCTGCGTGGCCGCTGCCTGCTGCTCAAG
 GAGAAGAAAAGCTCTAAACCAGAACGGGAGTGGCCTTTGGAAGGTGCAAGGTCTACCTGGGAATCCGCA
 AGAAGTTAAAGCCCCAACACCGTGGGGCTTACATTGATACTAGAGAAGATGCACCTCTACTTGTCTG
 CACTGACGAGGATGAAATGTGGGATTGGACCACCAGCATCCTTAAAGCCAGCAGATGACCAGCAGCCA
 GTGGTCTTACGACGCCATTCTCTCTGACCTTGCCCGTCAGAAGTTTGGCACTATGCCTTTGCTGCCTA
 TCCGTGGGGATGACAGTGGAGCCACCCTCTCTGCAATCAGACCCCTGCGGCGACTACACAACCGGAG
 GACCCTGTCCATGTTCTTTCCAATGAAGTCATCCAGGGGTCTGTGGAGGAGCAAGAGGAGCTGGAGGAG
 CCTGTGTACGAGGAGCCAGTGTATGAGGAAGTAGGGGCCTTCCCTGAGTTGATCCAGGACTTCTACCT
 CCTTCTCACCACACGGGAGTGGACAGTGAAGCCAGAGAACCCCTCACAGCCAGAAGTATTGGATCA
 ACCCTTCTCTCAAGTCAAGCACCTTTGGCCAGGAGGAGAGCCACCTGAGCCCCCTCCAGGCCCCCT
 TCAAAGAGCAGTCCCAGGCACGGGGTCCCTAGAGGAACAGCTGCTCCAGGAGCTCAGCAGCCTCATCC
 TGAGGAAAGGAGAGACACTGCAGGCCTGGGAAGTCTTCCAGCCATCCAGCCCCAATCCCCAGCCC
 CACTGGCCTTCCAACACAGACACCTGGCTTCCCCACCAACCCCATGCATTCCAGTCCACCCTCCAGC
 CAGCCCCCACA

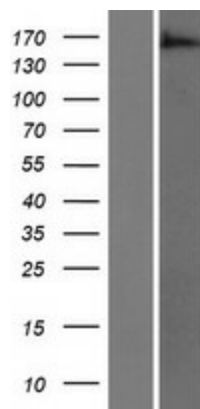
ACGCGTACGCGGCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

ORF Size:	4632 bp
OTI Disclaimer:	The molecular sequence of this clone aligns with the gene accession number as a point of reference only. However, individual transcript sequences of the same gene can differ through naturally occurring variations (e.g. polymorphisms), each with its own valid existence. This clone is substantially in agreement with the reference, but a complete review of all prevailing variants is recommended prior to use. More info
OTI Annotation:	This clone was engineered to express the complete ORF with an expression tag. Expression varies depending on the nature of the gene.
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:	NM_022481.6
RefSeq Size:	5281 bp
RefSeq ORF:	4635 bp
Locus ID:	64411
UniProt ID:	Q8WWN8
Cytogenetics:	5q31.3
Protein Pathways:	Endocytosis
MW:	169.7 kDa
Gene Summary:	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. An alternatively spliced transcript has been found for this gene, but its biological validity has not been determined. [provided by RefSeq, Sep 2015]

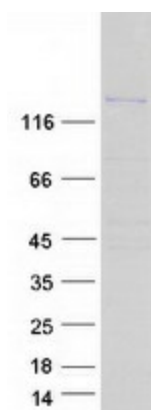
Product images:



Circular map for RC221115



Western blot validation of overexpression lysate (Cat# [LY411648]) using anti-DDK antibody (Cat# [TA50011-100]). Left: Cell lysates from untransfected HEK293T cells; Right: Cell lysates from HEK293T cells transfected with RC221115 using transfection reagent MegaTran 2.0 (Cat# [TT210002]).



Coomassie blue staining of purified ARAP3 protein (Cat# [TP321115]). The protein was produced from HEK293T cells transfected with ARAP3 cDNA clone (Cat# RC221115) using MegaTran 2.0 (Cat# [TT210002]).