

Product datasheet for **MR208404**

Arfgap3 (NM_025445) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Arfgap3 (NM_025445) Mouse Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Arfgap3
Synonyms:	0610009H19Rik; 1810004P07Rik; 1810035F16Rik; 9130416J18Rik; Arfgap1
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



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ORF Nucleotide Sequence:

>MR208404 ORF sequence
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**GCGATCGCC**

ATGGGGGACCCAGCAAGCAGGACATCCTGGCCATCTTCAAGCGCCTGCGCTCGGTGCCACTAACAAAGG
 TGTGTTTTGACTGTGGTGCCAAAAATCCCAGCTGGGCCAGCATAAGCTATGGGGTTTTCTCTGCATTGA
 CTGCTCTGGATCACACCGGTCGCTCGGGGTTCACTTGAGTTTTATTTCGGTCCACAGAGCTGGATTCAAAC
 TGGTCGTGGTTCCAGCTTCGATGCATGCAAGTTGGAGGAACTCAAATGCTTCTTCTTCTTCCACCAAC
 ATGGGTGTGCCACCAAGGACACCAACGCCAAGTACAACAGCCGTGCGGCTCAGCTCTACAGGAGAAGAT
 CAAGACTCTGGCCACCCAGGCCACCCGAGGCACGGCACCCGATCTGTGGCTGGACAGCTGTGCGGCTCCA
 CCTGTGTCCCCTCTCAAAGGAGGAAGATTTTTTGGCTTCTCACGCCTCTCTGGAGGTCAGTGGTGCTA
 TGCAGGCATCCGCACAGCCAGAGTCAGCCTCTTCAACACCGTGGGGCTTGAAACCCTCCAGAAAAACA
 TGAAGGTGGGCCAGGACAAGGGCAAGCGTGGAAGGTCTGAACACCCCTGAAAGGCTGCACCAGAGGTT
 TCATCGATTATAAAAAAGGCCAAATCAAGCAAAAAAGGACTTGGAGCCAAAAAGGAAGCTTGGGAG
 CCCAGAACTGACAAATACATCCTTCACTGAGATCGAAAAGCAAGCTCAGGCTGTGGATAAGAGGAAGGA
 GCAGGAAGACCTTGCCAGGGGTGCCCAAAGGAGGAGTCTATTGTTTCGTCCTTGCAGCTGGCCTACAAG
 GATCTGGAAATCAGCAGGAAGAAAGATGAAAGACTGAACCTGAGTGGCCAGAAGAAGGTGGAAGCCGAGC
 GGCTGGGCATGGGCTTTGGAAGCTGCAGGAGTGGCATCTCCACTCGGTGACTTCAGACATGCAGACCAT
 TGAGCAGGAGTCGCCCACACTGGCAAAGCCGAGGAGGAAGTACCAGGAGGACCCAGAGGACTCGTACTTC
 AGCTCCAGCTCCAAGTGGTCTGAGCAGAGCAGCAGCAGGTAAGTACGACACCCATGGAGTTAAGAAGCA
 GTCCTTCTCTAGCTGGGATGATGGTGCCGATTCCTACTGGAAGAAAGACAGCAGCAGACCCCGAGGCA
 TGCCATGAGAAGCACCGGCTCTTCAAGACAGGCCAGTGCCTCGCCGGAAGCCAGAATATGAGCCCATGGC
 AGCACAGATGAAGCCAGAAAGTTTGGCAACGTCAAGGCCATCTCTTCAAGACATGTACTTTGGAATTC
 AAGCCAGACAGATTTTGAACCCGGGCGGGCTGGAGAGGCTCTCCACCAGCTCTCCATAAGCTCTGC
 AGACCTTTTTGATGAGCAGAGGAAGCAGACTGCAGGAACTACAACCTTTCCAATGTGCTGCCCAATGCC
 CCAGACATGGCGCAGTTCAAGCAAGGTGTGCGCTCCGTTGCTGGAAAACCTTCCGCTTCCGCAATGGGG
 TCATGACGTCCATTCAGGATCGTACGGTTCT

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence:

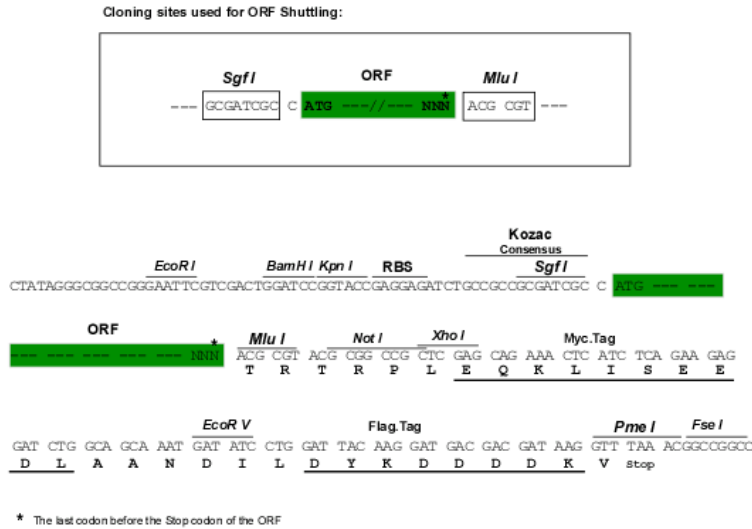
>MR208404 protein sequence
 Red=Cloning site Green=Tags(s)

MGDPSKQDILAIKRLRSVPTNKVCFDCGAKNPSWASISYGVFLCIDCSGSHRSLGVHLSFIRSTELDSN
 WSWFQLRCMQVGGNSNASSFFHQHCATKDTNAKYNRAAQLYREIKLTLATQATRRHGTDLWLDSCAAP
 PVSPPPKEEDFFASHASLEVSGAMQASAPESASSTPWGLETTPEKHEGGPGQGPSVEGLNTPGKAAPEV
 SSIKKKPNQAKKGLGAKKGSLSLGAQKLNTSFTIEIKQAQAVDKRKEQEDLARGAPKEESIVSSLRLAYK
 DLEISRKKDERLNL SGQKKVEAERLGMFGGSCRSGISHSVTSDMQTIEQESPTLAKPRRKYQEDPEDSYF
 SSSKWSQSSSRYPDDPMELRSSSFSSWDDGADSYWKKDSSRDPEPAMRSTGSSDRPSARRKPEYEP
 IGSTDEAQKFKGNVKAISSDMYFGIQAQTD FETRARLERLSTSSSISSADLFDEQRKQTAGNYNLSNVL
 PNA PDMAQFKQGVRSVAGKLSVFANGVMTSIQDRYGS

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites:

Sgfl-MluI

Cloning Scheme:


ACCN: NM_025445

ORF Size: 1575 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:**
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.

Note: Plasmids are not sterile. For experiments where strict sterility is required, filtration with 0.22um filter is required.

RefSeq: [NM_025445.1](#), [NM_025445.2](#), [NM_025445.3](#), [NM_025445.4](#), [NP_079721.2](#)

RefSeq Size: 2618 bp

RefSeq ORF: 1575 bp

Locus ID: 66251

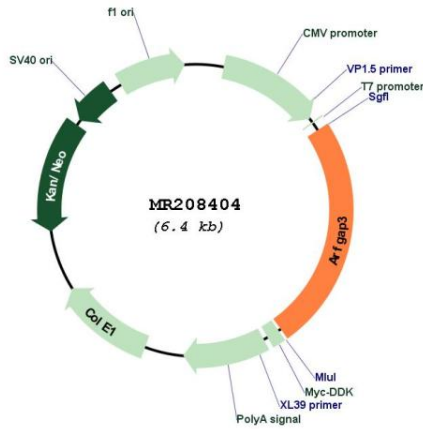
UniProt ID: [Q9D8S3](#)

Cytogenetics: 15 E1

MW: 57.5 kDa

Gene Summary: GTPase-activating protein (GAP) for ADP ribosylation factor 1 (ARF1). Hydrolysis of ARF1-bound GTP may lead to dissociation of coatomer from Golgi-derived membranes to allow fusion with target membranes (By similarity).[UniProtKB/Swiss-Prot Function]

Product images:



Circular map for MR208404