

Product datasheet for **MR222487**

Arhgap36 (NM_001081123) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Arhgap36 (NM_001081123) Mouse Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Arhgap36
Synonyms:	1100001E04Rik; rho-gap
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



[View online »](#)

ORF Nucleotide Sequence:

>MR222487 representing NM_001081123
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGCATCGCC**

ATGGCGTGGATGCTGGACTGCCTATTTCGATCGGCCCTTTGAGCCCGCCCGCCGCTGTGAGCGTCTGG
 GAGGAGCCCGAGGACAGAACTCAGACCGCAGCATGGACATGGATCCATTACAGCCTCTCTGAGCTGGA
 GCGCCTGAAGCTGCAAGAGACTGCTTACCACGAACTCGTGGCCAGACATTTCTCTCTGAATTCAGCCG
 GACAGAGCTCTACCCACTGACCGTCAAACACCCTGGAGAAGTGGTTTTTATGCTGAGAGGACAAGACA
 GGGCTGCATCACTCAAGACCTTTGGCATCCGCCTGGAAGAGGACTGGTGAACGAGCTTACCCGTCGCAA
 GCAGCGTGAAGTACACCCACGATGCAGGTTGAAGATATCAACGGTCTACTGGTCGTCGTCGCGGGGA
 AACGTGGTCAAAGAATGCTTGGACGCATGAGGCGTTTTTCAGTCGAGGAGGAATGAGCCACCCTGC
 CTAGAGAGTTCACTCGCCGTGGACGTCGAGGTGCAGTTTCTGCAGATAGCGCAGATGAACGGAGAACGG
 AGCCCTGCTGCTGAGATCCTGCAGCTCTCCAGCTTTCATCGCCTATTGGACAGCGGCTCTGGGATCC
 AAGAGGAAGATGAGCCTCAACCAATTGCTCAACAAATCCCTCAGATTGTTGAGACTTGTGCAAAATCA
 TTGAGAAACATGGCTTAAGCTCAGTGGGATTTTACCATTGAATACTCTCTGCGGAGGGTCTTGAGCT
 CCGTGAGTTATTTGACAAAGGCCTGGATATTGACTGGATGACAGTGTGAATGTCATGATGTGGCTGAG
 CTCCTCAAGGAGTTTTTTCGTGAGATGAAGACCCTCTGCTGCCTGATGATCTGTACATGTCCTTCTCC
 TGACTGCAACTCTGAAGCCCAAGGATCAGGTTTCTGCCCTGCAGCTTCTGGTTTATCTGATGCCACCTTG
 CCACAGTGATACTCTCGAACGCTGTGTAAGGCTCTGCATAAAATCACTGAGAAGTGTGAAGACTCCATT
 GCGGTTGATGGACAGCTGGTCCAGTAACCGAATGACTTCCACCAACTGGCTTTGGTGTGGAACTG
 CTCTCCTGAAGAAGGGGAAGTTGGCCAACAAGGAATCCAGGAAGACTAACTGGGATTGATCACTATGT
 TGCATCTGCAATGTTGTCGTGCCATGATTGATAACTGGGACATCCTCTTCCAGGTGCCCCCATATT
 CAGAAGGAGGTTGCTAAGCGTGTGTAAGTCCAGCCCTGAAGCCCTGGATTTTATCAGACGCCGGAATC
 TGAGGAAGATCCAGAGTCTCGCATAAAGATGGAAGAGGATGCTTTACTTTCTGATCCAGTGAAAACTC
 TGCTGAAGCCAGGCTGCTATCCTTGTCTCAGAGCCAGCCCTTTGATGAAGACCCCGAAGGAGCCCGAT
 GTGCACGAGGCTTGAATGATAACCTGAACTATGACTTTGAAGACGAATCGGATTTTGAAGACCAGGACC
 ATCTGGATCTTGCAGAGGTTCCCTATCTTGTGTAATTCCAAACAACGAAGATACCGACTCAGACGCTGA
 TGTAAATCCAGGTCCTCTGAGGAGCCTGCTGTGCCTGCCAGCACTGCTGGTCCCTGACAAAGAGGAA
 GGAGCAGCGGTAAACCCCAACGCAGACCGCCACTGCCCGTGTGCCAGGGAAGAAGGGCAAT
 TTGCCACCCGCTTCTTCT

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence:

>MR222487 representing NM_001081123
 Red=Cloning site Green=Tags(s)

MAWMLDCLFASAFEP RRRVSVLGGAPQNSDRSMDMVS.IHSLSELERLKLQETAYHELVARHFLSEFKP
 DRALPTDRPNTLEKWFMLRGQDRAASLKTFGIRLEEVLVNELTRRKQRELTPTMQVEDINGSTGRRRRG
 NVVQRMLGRMRRFFSRRRNEPTLPREFTRRGRGAVSADSADLENGALLQILQLSQLSSPIGQRLLGS
 KRKMSLNPIAQQIPQIVETCCKFIEKHGLSSVGIFTIEYSLRRVLELRELFDKGLDIVLDDSVNVHDVAE
 LLKEFFREMKDPLLDDLYMSFLLTATLKPQDQVSALQLLVYLMPPCHSDTLERLLKALHKITENCEDSI
 GVDGQLVPGNRMTSTNLALVFGTALLKKGKLANKESRKTKLGIDHYVASVNVVRAMIDNWDILFQVPPHI
 QKEVAKRVWKSSEALDFIRRRNLKIQSARIKMEEDALLSDPVENSAEQAAIILAQSQPFDEDEPAGPD
 VHEVLNDNLNYDFEDESDFEDQDHLDLAEVPLYLDVIPNNEEDTSDADVIPGPSEEPVAVPASTAGSPDKEE
 GAAGNPPNADRPLPRVPQGGKGFATRFFP

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Chromatograms:

https://cdn.origene.com/chromatograms/mm9014_g10.zip

Restriction Sites: SgfI-MluI

Cloning Scheme:



ACCN: NM_001081123

ORF Size: 1770 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.

RefSeq: [NM_001081123.2](#)

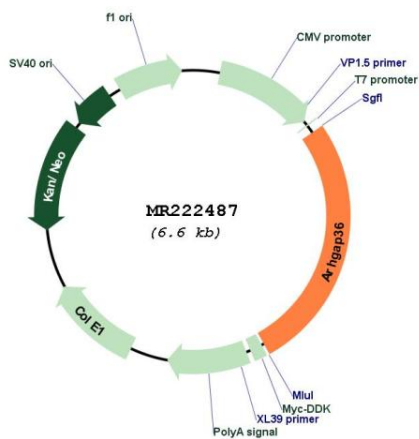
RefSeq Size: 3039 bp

RefSeq ORF: 1773 bp

Locus ID: 75404

UniProt ID: B1AUC7
Cytogenetics: X A5
MW: 67 kDa
Gene Summary: GTPase activator for the Rho-type GTPases by converting them to an inactive GDP-bound state.[UniProtKB/Swiss-Prot Function]

Product images:



Circular map for MR222487