

Product datasheet for **RR211687**

Arhgap24 (NM_001012032) Rat Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Arhgap24 (NM_001012032) Rat Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Arhgap24
Synonyms:	DR-NR#2
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



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ORF Nucleotide
Sequence:

>RR211687 representing NM_001012032
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCCGCGATCGCC

ATGCCTGAAGACCGAAATTCGGGGGACGCCCTTCAGGTGCCTTAGCATCAACTCTTTCATCCCCAAAA
CTACATACAGAAGAATCAAACGGTGCTTTAGTTTCCGAAAGGTATTTTTGGACAGAACTGGAGGACAC
GGTCCGATATGAGAAGAGATACGGGAACCGCTGGCGCCCATGCTGGTGGAGCAGTGCCTGGACTTCATC
CGACAGCGGGGCTGAAGGAAGAGGGCCTCTCCGACTGCCCGCCAGGCAAACCTTGTCAGGAGCTCC
AGGATGCATTCGACTGTGGAGAGAAGCCCTCCTTCGACAGCAACACAGACGTCCACACTGTGGCATCCCT
CCTGAACTGTATCTCCGAGAACTCCAGAGCCGGTCGTTCTTACGCAAAGTACGAAGACTTTTTGTCC
TGTGCCACGCTGCTCAGCAAGGAGGAAGAAGCTGGCGTGAAGGAGCTAACGAAACAAGTGAAGAGTTTGC
CAGTGGTTAACTACAACCTCCTGAAGTACATTTGCAGGTTCTGGATGAAGTGCAGTCTATTCCGGAGT
TAAACAAGATGAGCGCACAGAACTTGGCAACTGTCTTCGGTCTAACATCTGCGCCCAAAGTGGAAAGAT
CCTTTAACCATCATGGAGGGCACTGTGGTGGTCCAGCAGTAAATGTCAGTGATGATCAGCAAACATGATC
GCCTCTTCCCAAAGACACAGAGCCACAAGCAAGCCCAAGAAGGACCGAACAGCAATAACAACAGTGG
TCATAAGAAAGTACCATGGGTGAGTTACAGAACAAGAAAACAACAATACCAAGGAGAGTCCGGTCCAGA
CGGTGCTCTTGGGACAAGCCTGAATCCCCCAGAGAAGCAGCATGGACAACGGATCCCCACAGCTCTAT
CAGGGAGCAAACCAACAGCCCACGGAACAGTATCCACAAGCTGGATGTCTCCAGGAGCCCGCTCTCAC
GGTCAAAAAGAACCAGCCTTCAATAAGGGCAGCGGATCGTACCAATGGGTCTTCAGCAGCAGCAAT
GCAGAAGTGTGGAGAAAACCAAACTCCTAATGGGAGTTTACAAGCCAGAAGGACCTTCCCTGA
AGAGTTCTGGTACCAAAATGGTACTCATAGCGTACAGAATGGCACCGTGCAGTGGGTATTTTGAACAC
TGACACACTAGGGAATTCCTTGAATGGCCGAGCATGAGTTGGCTGCCCAATGGCTACGTACCCCTGAGA
GATAACAAGCAGAAGGAGCCCGGGGAGAGTACAGCCAGCACAACAGACTCTCCACCTACGACAACGTCC
ACCAGCAGTTCTCCTTGATGAACCTCGACGACAAGCACAGCGTGGACAGTGCCACGTGGTCCACCTCCTC
CTGTGAAATCTCCTCCCCGAGAACTCAAACCTCCTGCCGCTCCTTACCCTACGTGCCCGGAGCAAGAC
TTCTACGGCGGAACTTTGAGGACCCTGTTTTAGACGGCCCGCTCAGGATGACCTTTCTCATCCTGGGG
ACTATGAGAACAAAAGCGACCGCAGGAGCGTGGGGGGCCGAAGCAGCCGTGCCACGAGCAGCAGCGACAA
CAGCGAGACGTTCTCGGTAACACCAGCAGCAACCACAGTGCACCTCACAGTTTAGTCTCCAGCCTGAAG
CAGGAGATGACCAAACAGAAGATCGAGTATGAGTCCAGGATAAAAAGCTTAGAACAGCGGAACCTTGACTT
TGGAAACGAAAATGCTGAACCTCCATGACGAACTGGATCAAGAGAGGAAAAAGTTACCATGATAGAAAT
CAAGATGAGAAAACGCGAGCGCGGAAAGAGGATGCTGAGAAGAGGAACGACATGCTCCAGAAGGAAATG
GAGCAGTTCTTCTCCACATTCGGAGACCTGACGGTGAACCCAGGAGAAGCGAGAGGGGAAACACAATCT
GGATCCAG

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA

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_001012032.1](#), [NP_001012032.1](#)

RefSeq Size: 2728 bp

RefSeq ORF: 1971 bp

Locus ID: 305156

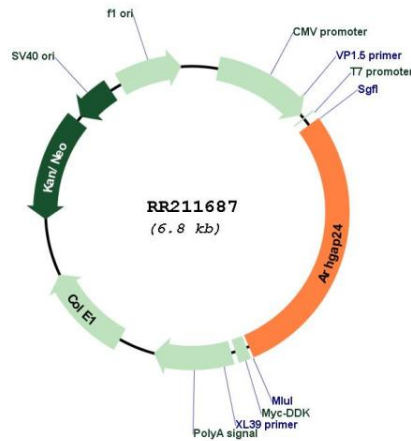
UniProt ID: [Q5U2Z7](#)

Cytogenetics: 14p22

MW: 73.5 kDa

Gene Summary: Rho GTPase-activating protein involved in cell polarity, cell morphology and cytoskeletal organization. Acts as a GTPase activator for the Rac-type GTPase by converting it to an inactive GDP-bound state. Controls actin remodeling by inactivating Rac downstream of Rho leading to suppress leading edge protrusion and promotes cell retraction to achieve cellular polarity. Able to suppress RAC1 and CDC42 activity in vitro. Overexpression induces cell rounding with partial or complete disruption of actin stress fibers and formation of membrane ruffles, lamellipodia, and filopodia. Isoform 2 is a vascular cell-specific GAP involved in modulation of angiogenesis (By similarity).[UniProtKB/Swiss-Prot Function]

Product images:



Circular map for RR211687