

Product datasheet for **RG211571**

ARHGAP36 (NM_144967) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	ARHGAP36 (NM_144967) Human Tagged ORF Clone
Tag:	TurboGFP
Symbol:	ARHGAP36
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)



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ORF Nucleotide Sequence:

>RG211571 representing NM_144967
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGGATCGCC**

ATGGGTGGCTGCATTCTTTCTGAAGGCAGCAAGGGCACTGTGCCCCAGAATCATGCCCCCTTTGCTGT
 TGTGTCCGCCTTCATTTTTTAGTGAGTGTCTGGGAGGAGCCCAAGGACACAACCCCGACCGCAGGAC
 GAAGATGGTATCGATACACAGCCTCTCTGAGCTGGAGCGTCTGAAGCTGCAAGAGACTGCTTACCACGAA
 CTCGTGGCCAGACATTTCTGTCCGAATCAAACCTGACAGAGCTCTGCCTATTGACCGTCCGAACACCT
 TGGATAAGTGGTTCTGATTTTGGAGAGGACAGCAGAGGGCTGTATCACACAAGACATTTGGCATTAGCCT
 GGAAGAGGTCTGGTGAACGAGTTTACCCGCCGAAGCATCTTGAAGTACAGCCACGATGCAGGTTGAA
 GAAGCCACCGGTCAAGCTGCGGGCCGTCGCGGGAAACGTGGTGCAGAGGTTTGGCCGCATCCGGC
 GCTTTTTAGTGCAGGGGAATGAGCCACCTTGCCCCGGGAGTTCACGCGCGTGGCGTCGAGGTGC
 AGTGTCTGTGGATAGTCTGGCTGAGCTGGAAGACGGAGCCCTGCTGCTGCAGACCCTGCAGCTTTCAAAA
 ATTTCTTTCCAATTGGCCAACGACTTCTGGGATCCAAAAGGAAGATGAGTCTCAATCCGATTGCGAAAC
 AAATCCCCAGGTTGTTGAGGCTTGTGCAATTCATTGAAAAACATGGCTTAAGCGCAGTGGGGATTTT
 TACCCTTGAATACTCCGTGCAGCGAGTGCCTGAGTCCGTGAAGAATTTGATCAAGGTCTGGATGTAGTG
 CTGGATGACAATCAGAATGTGCATGATGTGGCTGCACTCCTCAAGGAGTTTTTCCGTGACATGAAGGATT
 CTCTGCTGCCAGATGATCTGTACATGTCATTCTCTGACAGCAACTTTAAAGCCCCAGGATCAGCTTTC
 TGCCCTGCAGTTGCTGGTCTACCTGATGCCACCCTGCCACAGTGATACCTGGAGCGTCTGCTGAAGGCC
 CTGCATAAAATCACTGAGAACTGCGAGGACTCAATTGGCATTGATGGACAGTTGGTCCCAGGCAACCGTA
 TGACTTCCACTAACTTGGCCTTGGTGTGGTCTGCTCTCTGAAAAAAGGAAAGTTTGGCAAGAGAGA
 GTCCAGGAAAACAAGCTGGGGATTGATCACTATGTTGCTTCTGTCAATGTGGTCCGTGCCATGATAGAT
 AACTGGGATGTCTCTTCCAGGTGCCTCCCATATTCAGAGGCAGGTTGCTAAGCGCGTGTGGAAGTCCA
 GCCCGGAAGCACTTGATTTTATCAGACGCAGGAACCTGAGGAAGATCCAGAGTGCACGCATAAAGATGGA
 AGAGGATGCACTACTTTCTGATCCAGTGGAAACCTCTGCTGAAGCCCGGGCTGCTGTCTTCTCAAAGC
 AAGCCTTCTGATGAAGGTTCTCTGAGGAGCCAGCTGTGCCTTCCGGCACTGCCGTTCCCATGACGATG
 AGGAAGGAGCGGTAACCCTCCATTCCGGAGCAAGACCCCATTTGCTCCGTGTGCCCGGAGAAAGGA
 GGCCAAAACCTGGCGTCAGCTACTTCTTCT

ACGCGTACGCGGCCGCTCGAG – GFP Tag – GTTTAA

Protein Sequence:

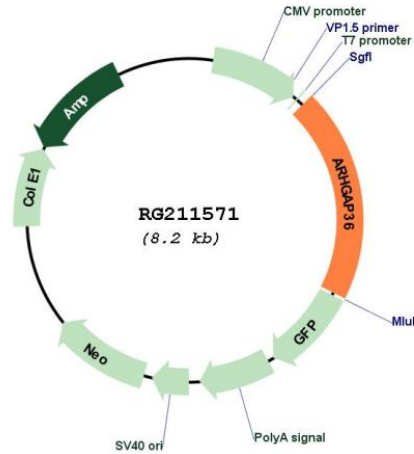
>RG211571 representing NM_144967
 Red=Cloning site Green=Tags(s)

MGGCIPFLKAARALCPRIIMPPLLLLSAFIFLVSVLGGAPGHNPDRRTKMVSIHSLSELERLKLQETAYHE
 LVARHFLSEFKPDRALPIDRPNTLDKWFLILRGQRAVSHKTFGISLEEVLVNEFTRRKHLELTATMQVE
 EATGQAAGRRRGNVRRVFGRIIRRFSSRRRNEPTLPREFTRRRRRGAVSVDSLAELEDGALLLQTLQLSK
 ISFPIGQRLLGSKRKMSLNPIAKQIPQVVEACCFIEKHGLSAVGIFTLEYVQVRVQLREEFDQGLDVV
 LDDNQNVHDVAALLKEFFRDMKDSLLPDDLMSFLLTATLKPQDQLSALQLLVYLMPPCHSDTLERLLKA
 LHKITENCEDSIGIDGQLVPGNRMTSTNLALVFGSALLKKGKFGKRESRKTGLGIDHYVASVNVVRAMID
 NWDVLFQVPPHIQRQVAKRVWKSPEALDFIRRRNLRKIQSARIKMEEDALLSDPVETSAEARAAVLAQS
 KPSDEGSSEEPVPSGTARSHDDEEGAGNPIPEQDRPLLRVPREKEAKTGVSYYFFP

TRTRPLE – GFP Tag – V

Restriction Sites:

Sgfl-MluI

Plasmid Map:


ACCN: NM_144967

ORF Size: 1641 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:	<u>NM_144967.2</u> , <u>NP_659404.2</u>
RefSeq Size:	3082 bp
RefSeq ORF:	1644 bp
Locus ID:	158763
UniProt ID:	<u>Q6ZRI8</u>
Cytogenetics:	Xq26.1
Domains:	RhoGAP
Protein Families:	Transmembrane
Gene Summary:	GTPase activator for the Rho-type GTPases by converting them to an inactive GDP-bound state.[UniProtKB/Swiss-Prot Function]