

Product datasheet for **SC324381**

ARFGAP3 (NM_014570) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	ARFGAP3 (NM_014570) Human Untagged Clone
Tag:	Tag Free
Symbol:	ARFGAP3
Synonyms:	ARFGAP1
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC (PS100020)
E. coli Selection:	Ampicillin (100 ug/mL)



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Fully Sequenced ORF: >OriGene sequence for NM_014570.3
 GCCAGTGCGCCGCGCTCACAGCTGACGATGGGGGACCCAGCAAGCAGGACATCTTGA
 CCATCTTCAAGCGCTCCGCTCGGTGCCACTAACAAAGGTGTGTTTTGATTGTGGTGCCA
 AAAATCCCAGTGGGCAAGCATAACCTATGGAGTGTTCCTTTGCATTGATTGCTCAGGT
 CCCACCGTCACTTGGTGTTCACCTGAGTTTTATTCGATCTACAGAGTTGGATTCCAAT
 GGTCATGGTTTTAGTGGCATGCATGCAAGTCGGAGGAAACGCTAGTGCATCTTCCTTTT
 TTCATCAACATGGGTGTTCACCAATGACACCAATGCCAAGTACAACAGTCGTGCTC
 AGCTCTATAGGGAGAAAATCAAATCGCTCGCTCTCAAGCAACACGGAAGCATGGCACTG
 ATCTGTGGCTTGATAGTTGTGTGTTCCACCTTTGTCCCCTCCACCAAAGGAGGAAGATT
 TTTTTGCCTCTCACGTTTCTCCTGAGGTGAGTGACACAGCGTGGGCATCAGCAATAGCAG
 AACCATCTTCTTAAACATCAAGGCTGTGGAAACCACTTTGAAAATAATGAAGGTGGAC
 AAGAGCAAGGACCAAGTGTGGAAGGTCTTAATGTACCAACAAAGGCTACTTTAGAGGTAT
 CCTCTATCATAAAAAAGAAACCAATCAAGCTAAAAAGGCCCTGGGGCCAAAAAGGAA
 GTTTGGGAGCTCAGAACTGGCAACACATGCTTAAATGAAATTGAAAAACAAGCTCAAG
 CTGCGGATAAAATGAAGGAGCAGGAAGACCTGGCCAAGTGGTATCTAAAGAAGAATCAA
 TTGTTTACATCATTACGATTAGCCTATAAGGATCTTGAAATTCAAATGAAGAAAGCGAAA
 AGATGAACATTAGTGGCAAAAAAATGTTGACTCAGACAGACTCGGCATGGGATTTGGAA
 ATTGACAGAAGTGTATTTACATTCAGTGACTTCAGATATGCAGACCATAGAGCAGGAAT
 CACCCATTATGGCAAAACCAAGAAAAAGTATAATGATGACAGTGACGATTTCATATTTTA
 CTTCCAGCTCAAGGTACTTTGACGAGCCAGTGGAGTTAAGGAGCAGTTCTTTCTAGCT
 GGGATGACAGTTCAGATTCTATTGGAAAAAGAGACCAGCAAAGATACTGAAACAGTTC
 TGAAAACACAGGCTATTCAGACAGACCTACTGCTCGCCGCAAGCCAGATTATGAGCCAG
 TGTATTTGGAAGACAATCCAGGCTGATTATGAGACCAGGGCCCGCCTAGAGAGGCTGT
 CAGCAAGTTCCTCATAAGCTCGCTGATCTGTTGAGGAGCCGAGGAAGCAGCCAGCAG
 GAACTACAGCCTGTCCAGCGTGTGCCAACGCCCCGACATGGCGCAGTTCAAGCAGG
 GAGTGAGATCGTTGCTGGAAAACCTCCCGTCTTGTCTAATGGAGTCGTGACTTCAATTC
 AGGATCGTACGGTTCTAATACTGAAGTCATGATGTGATTTTCTGGAGAAATTCCTCT
 TTAATGAACAAGTAACCACATCTCAGGCGCAGTGAAGTCCAGATAGTTTTGCAGATTG
 TTTTGCTACTTTTTCATATGGTATATGTTTCTGATTTTTAATATTTCTTTGAGAAATTC
 TGAGTTCTGATGTAGGAGCTTCTGTGATTTCTGTTTACGTTCTTCTGTCACACCC
 TCCTTTGGCGTCTGTGTATATCCTTGCTTTATTTTCTTGAACCTTTGGTTTCAACAC
 TGAGGGCCTGGAGACCTCGGCTCCTCTGCTCCTGAACCAGGAGGCTTCATGTGGGGGAG
 GAGGAGAGGTCTCCATGTGACACATGGGCTCAGGGCTGCCAGAATCAGCGGATGTGGAT
 GGGCCTGCAGAAACAACACTCACACACACTTCCTTCAAAGACCAAAAGTGAAGTGGT
 GTCTCGTGTGACAGATTGCTTCATTTATGTTTCTACATAGTAAGGTGACTGCCAAATAAT
 ATTTGAAGTCATCTGTCTTTTGAATATTTTATATGACCTATAAATTTAAAAATGTT
 TTTGAGAGGTGTTGCTGTTTGAATTGATGAGAAATGGAAGATGAGAATCCCTAAGAGT
 TCTCATAATAAATCATCTCATCACAATCAATACGGTATACAGAGTTAAAGTGAATGAG
 GTAAGAAGATACAGCTACAGAAAATAGTTGCGTGTATGGGAGAACAGTCATTGTAATTGG
 GTAGTTTTGTTAATAAATATTTTAAATCTTGCTTTTCAGAAATTACCGAATGTGTATAA
 ACAATAAAGAAAAATAATTTAGCTGTGTTTTAGACAGCATTAGAATATATTGTTACGCA
 CAGTAAAAATATTTGAAATTTGATAAGCCAAAAATGTGGTTTTGAAATGAATATTTGTG
 AATCTTTCTTAAAGCTCAAATTTGACTTCTAAATAGAATAAACACTTGCAGCAGAA
 AAAAAAAAAAAAAAAAAA

Restriction Sites: Please inquire

ACCN: NM_014570

OTI Disclaimer:	Our molecular clone sequence data has been matched to the reference identifier above as a point of reference. Note that the complete sequence of our molecular clones may differ from the sequence published for this corresponding reference, e.g., by representing an alternative RNA splicing form or single nucleotide polymorphism (SNP).
OTI Annotation:	This TrueClone is provided through our Custom Cloning Process that includes sub-cloning into OriGene's pCMV6 vector and full sequencing to provide a non-variant match to the expected reference without frameshifts, and is delivered as lyophilized plasmid DNA.
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_014570.3</u> , <u>NP_055385.2</u>
RefSeq Size:	2725 bp
RefSeq ORF:	1551 bp
Locus ID:	26286
UniProt ID:	<u>Q9NP61</u>
Cytogenetics:	22q13.2
Domains:	ArfGap
Protein Pathways:	Endocytosis
Gene Summary:	<p>The protein encoded by this gene is a GTPase-activating protein (GAP) that associates with the Golgi apparatus and regulates the early secretory pathway of proteins. The encoded protein promotes hydrolysis of ADP-ribosylation factor 1 (ARF1)-bound GTP, which is required for the dissociation of coat proteins from Golgi-derived membranes and vesicles. Dissociation of the coat proteins is a prerequisite for the fusion of these vesicles with target compartments. The activity of this protein is sensitive to phospholipids. Multiple transcript variants encoding different isoforms have been found for this gene. This gene was originally known as ARFGAP1, but that is now the name of a related but different gene. [provided by RefSeq, Nov 2008]</p> <p>Transcript Variant: This variant (1) represents the longer transcript and encodes the longer protein (isoform 1).</p>