

## Product datasheet for **RN208979**

### Arfgap2 (NM\_001033707) Rat Untagged Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	Arfgap2 (NM_001033707) Rat Untagged Clone
Tag:	Tag Free
Symbol:	Arfgap2
Synonyms:	Zfp289
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin



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**Fully Sequenced ORF:** >RN208979 representing NM\_001033707  
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
 GCC**CGGATCGCC**

ATGGCGCGGCCCGAGCAAGAGCGAAATCCAGACTCTTTTTAAGAGGCTTCGCGCAATCCACCAACA  
 AGGCTGTTTCGATTGTGGAGCCAAGAGTCTAGTTGGGCCAGCATCACGTATGGTGATTTTTGTGTAT  
 TGAAGTCTGGAGTGCATCGCTCCTTGGGTGTTTATCAGGTTTATCAGGTTCCACAGAGTTGGATTTCG  
 AACTGGAGCTGGTTGCAGCTGAGGTGTATGCAGGTCGGCGGGAATGCCAATGCGACTGCTTTTTCCGCC  
 AACATGGATGTCTGGCAATGATGCTAACACCAAAATAACAGCCGAGCTGCCAGATGTACCGAGAGAA  
 GATCAGGCAGTTAGGGAGTACAGCTCTGGCTAGGCACGGCACTGATCTTTGGATAGACAATGAACAGT  
 GCTCTAGTCACTCTCCAGAGAAGAAAGACTCTGATTTCTTCACAGAGCATACTCAGGCCCTGCTGGG  
 ATACAGCAGCCACGGATCCTTCAGGGACCCAGCAACCAGCCCTACCTTCAGAGAGCAGTAGCCTGGCGCA  
 ACCTGAACCTGGCCCCAACACTGATCTGCTTGGAACTCACCCCAAGCCTCTCTGGAAGTAAAAGCTCC  
 ATTATTGGCAAGAAGAAGCCAGCAGCAGCTAAGAAAGGGCTGGGTGCCAAGAAAGGCCTGGGAGCTCAGA  
 AGGTGAGCAACAGAGCTTTACTGAGATTGAGCGGCAGGCCAGGTGGCAGAGAAGCTCCGAGAGCAGCA  
 GGCAGCTGATGCCAAGAAGCAGGAGGAGAAAAGCTACAGAACCTTGAAGGAAAAGAAACGAGAGCAGGCTGAAA  
 GGCTGGGCATGGGCTTGGTGTCCCGAAGCTCCATCTCCCACTCTGTGCTGTCTGAGATGCAGATGATTGA  
 GCAGGAAACCCGCTGAGTGCAAAATCTTCCCGTTCACAACCTTGACTTGTGATGATGTTGGAACATTT  
 GCTTCTGGACCCCAAGTACAAGGATAACCCCTTTTCTTTGGGAGAACTTTTGGTCCCGCTGGGATT  
 CAGATGCAGCCTGGGGTATGGACAGGGTGAAGAGAAGGAACCTGAAGTTACCATCTCAGCATCCGGCC  
 TATTTTCAGAAAGAACCACAAGTCGGAGGGAAGTGGAGAGTCGGATCTCAGGTCTTGAGTCCAGTGAAGCA  
 CGTCAGAAAGTTCGAGGAGCCAAAGCCATCTCGTCTGACATGTTCTTTGGTTCGAGAGGTGGACTCTGAGT  
 ATGAAGCCAGGTCTCGGTTACAGCAGCTTTGGGCAGCAGTGCCATCAGCTCTTCAGACCTTTTGGGGA  
 TGTGGATGGAGCTCATGGAGGAGGAACTGTATCTCTGGGGAATGACTTCTACAGCTGACATTGCCAG  
 TTTAAGCAGGGTGTCAAGTCTGTGGCTGGCAAGATGGCTGTGCTGCCAATGGTGTAAATGAATCTTTAC  
 AGGATCGCTACGGTTCCTACTGA

**ACGCGT**ACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
 ACAAGGATGACGACGATAAGGTTTAA

**Restriction Sites:** Sgfl-Mlul

**ACCN:** NM\_001033707

**Insert Size:** 1563 bp

**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).

**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\\_001033707.1](#), [NP\\_001028879.1](#)

**RefSeq Size:** 2797 bp

**RefSeq ORF:** 1563 bp

**Locus ID:** 362162

**UniProt ID:** [Q3MID3](#)

**Cytogenetics:** 3q24

**Gene Summary:** GTPase-activating protein (GAP) for ADP ribosylation factor 1 (ARF1). May regulate coatamer-mediated protein transport from the Golgi complex to the endoplasmic reticulum. Hydrolysis of ARF1-bound GTP may lead to dissociation of coatamer from Golgi-derived membranes to allow fusion with target membranes (By similarity).[UniProtKB/Swiss-Prot Function]