

Product datasheet for **MC217620**

Arfgap2 (NM_001166024) Mouse Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Arfgap2 (NM_001166024) Mouse Untagged Clone
Tag:	Tag Free
Symbol:	Arfgap2
Synonyms:	2310032E02Rik; Zfp28; Zfp289
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin



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Fully Sequenced ORF: >MC217620 representing NM_001166024
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGGATCGCC**

ATGGCGGGAGCCCGAGCAAGACCGAAATCCAGACTATTTTTAAGAGACTTCGCGCAATCCACCAACA
 AGGCCTGTTTCGATTGTGGCGCCAAGAGTCCTAGTTGGGCCAGCATCACTTACGGTGTATTTTTGTGTAT
 TGACTGCTCCGGAGTGCATCGCTCCTTGGGTGCCATCTCAGCTTTATCAGGTCCACAGAGTTGGATTTCG
 AACTGGAGCTGGTTGCAGCTGAGGTGTATGCAGGTCGGCGGGAATGCCAATGCGACTGCTTTTTCCGCC
 AACACGGATGTATGGCCAATGATGCTAACACCAAAATACGAGCCGAGCTGCCAGATGTACCGAGAGAA
 GATCCGGCAGTTAGGGAGTGCAGCTCTGACTAGGCATGGTACTGATCTTTGGATAGACAGTATGAACAGT
 GCTCCAAGTCACTCTCCAGAGAAGAAAGACTCTGATTTCTTCACAGAACAATACTCAGGCCCTGCTTGGG
 ATACAGCAGCCACTGATCCTTCAGGGACTCAGCAACCAGCCCTACCTTCAGAGAGCAGTAGCCTGGCACA
 ACCTGAACAAGGCCCTAACACTGATCTGCTCGGAACCTCACCCCAAGCCTCTCTGGAGTCCATGTATCTG
 TCAGCTAAAGGGCCCTTTGTACCAGAGAAGTAAAAGCTCCATTATTGGCAAGAAGAAGCCAGCAGCCG
 CTAAGAAAAGGGCTGGGTGCCAAGAAAGGCTGGGAGCTCAGAAGGTGAGCAACCAGAGCTTTACTGAGAT
 TGAGCGGCAGGCCAGGTGGCAGAGAAGCTCCGAGAGCAGCAGGCAGCTGATGCCAAGAAGCAGGCAGAA
 GAGTCCATGGTTGCCATGCTGCTGGCCTACCAGGAGCTCCAGATTGATCGCAAGAAGGAGGAGAAAA
 AGCTCCAGAATCTGAAGGAAAGAAGCGAGAGCAGGCTGAAAGGCTGGGCATGGCTTGGTGTCCCGAAG
 CTCCATCTCCATTCTGTGCTGTCTGAGATGCAGATGATTGAGCAGGAAACCCGCTGAGTGCAGAAATCT
 TCCCGTTCACAGCTTGACTTGTGGTATGATGTTGGAACATTTGCATCTGGACCCCAAAGTACAAGGACA
 ACCCTTTTCTTGGGAGAAACTTTTGGTCCCGCTGGGATTGATGCAGCCTGGGGTATGGACAGGGT
 AGAAGAGAAGGAACCTGAAGTTACCATCTCCAGCATCCGGCCTATTTTCAGAAAGAAGTCCGAGTCCGAGG
 GAAGTGGAGACTCGGAGCTCAGGCCTTGTAGTCCAGTGAAGCACGGCAGAAAGTTTGCAGGAGCCAAAGCCA
 TCTCGTCCGACATGTTCTTTGGTCGTGAGGTGGATTCTGAGTATGAAGCTAGGTCTCGGTTACAGCAGCT
 TTCGGGCAGCAGTGCCATCAGCTCTTCAGACCTTTTTGGAACATGGATGGAGCTCATGGAGGAGGAACT
 GTATCTCTGGGAATGTAATCTTACAGCTGACATTGCCAGTTTAAAGCAGGGTGTCAAGTCTGTGGCTG
 GCAAGATGGCTGTGCTGGCCAATGGTGTGATGAATTCCTACAGGATCGCTACGGTTCCTACTGA

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites: Sgfl-Mlul

ACCN: NM_001166024

Insert Size: 1605 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_001166024.1](#), [NP_001159496.1](#)

RefSeq Size: 3409 bp

RefSeq ORF: 1605 bp

Locus ID: 77038

UniProt ID: [Q99K28](#)

Cytogenetics: 2 E1

Gene Summary: This gene encodes a zinc-finger-containing GTPase-activating protein for ADP ribosylation factor 1 (ARF1), a small GTPase that plays a role in coatamer-mediated vesicular trafficking. This gene product stimulates the hydrolysis of ARF1-bound GTP, which may lead to dissociation of coatamer from Golgi-derived membranes to allow fusion with target membranes. It may regulate the retrograde transport from the Golgi complex to the endoplasmic reticulum. Expression of this gene has been shown to be controlled by inhibitor of DNA binding 1 (Id1). Alternatively spliced transcript variants encoding different isoforms have been found for this gene. A pseudogene of this gene was identified on chromosome 6. [provided by RefSeq, Oct 2009]

Transcript Variant: This variant (1) represents the longer transcript and encodes the longer isoform (1). Sequence Note: This RefSeq record was created from transcript and genomic sequence data to make the sequence consistent with the reference genome assembly. The genomic coordinates used for the transcript record were based on transcript alignments.