

Product datasheet for MC203697

Arfrp1 (NM_029702) Mouse Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Arfrp1 (NM_029702) Mouse Untagged Clone
Tag:	Tag Free
Symbol:	Arfrp1
Synonyms:	1500006I01Rik; AI480700
Mammalian Cell Selection:	Neomycin
Vector:	PCMV6-Kan/Neo (PCMV6KN)
E. coli Selection:	Kanamycin (25 ug/mL)
Fully Sequenced ORF:	>BC010713

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CCCATGCGTCCGGCTCCGTCCTTCGCTCCTTGTTCCGTCAGGCACTGTGAGGGGTCAGCGTGAGGTCGGT
GGGGTTAGGAACGCGCGCGCGCGCGCGCGCGCGCTCCTCCAAGATCTGAGCAGGGTGCCA
GAACAGGATGTACACGCTGCTTTTCGGGATTGTACAAGTACATGTTCCAGAAGGATGAATACTGCATCCTG
ATCCTGGGCTTGACAATGCTGGGAAGACGACTTTCCTGGAACAGTCAAAAAACACGCTTTAAACAAGAACT
ACAAGGGGATGAGTCTATCCAAATCACCCTACCGTGGGTCTAAACATTGGCACTGTGGACGTGGGAAA
GGCTCGTCTCATGTTTTGGGACTTAGGTGGCAGGAAGAGCTGCAGTCTTTGTGGGACAAGTACTATGCA
GAGTGCCATGGTGTCTATGTAATTGATTCAGTGTGAAGAAAGGCTGTGAGAATCAAAGAGGCAT
TTGAGAAGGTGGTTTCGAGTGAAGCACTGGACGGTGTTCCTCATCTGGTGTGGCCAACAAGCAGGATGT
GGAGACTTGCTCTCCATTCTGACATCAAGACTGCATTCACTGACTGTACCTGTAAGATTGGCCGCGCA
GATTGTCTGACCCAGGCCTGCTCTGCCCTCACAGGCAAAGGAGTTCGAGAGGGCATCGAATGGATGGTGA
AGTGTGTCGTGCGGAATGTTACCGGCCACCACGGCAGAGGGACATCACATAAGGACCTCAACCTCAGT
CTTGACTGTTCTCTAGTGTGGAAGAGTATTCTCTGCTGGCTTCTATCCTACTGACACTGGGGGT
TGAGCTGCCTTTGTCTGTTTCATTTTATTTGCTTTATGTTTCTCTAAGACAACTTTTCTCTGTGTC
TGGAAAAAAAAAAAAAAAAAAAAA
  
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Restriction Sites:	RsrII-NotI
ACCN:	NM_029702
Insert Size:	606 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).


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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.
Note:	Plasmids are not sterile. For experiments where strict sterility is required, filtration with 0.22um filter is required.
RefSeq:	<u>BC010713</u> , <u>AAH10713</u>
RefSeq Size:	934 bp
RefSeq ORF:	606 bp
Locus ID:	76688
UniProt ID:	<u>Q8BXL7</u>
Cytogenetics:	2 H4
Gene Summary:	<p>The gene encodes a membrane-associated GTPase that is related to the ADP-ribosylation factor (ARF) and ARF-like (ARL) genes. It plays an essential role in Golgi function controlling recruitment of GRIP domain proteins and ARL1 to the trans-Golgi and trans-Golgi to plasma membrane trafficking of cell surface proteins such as E-cadherin. Deletion of this gene in mice leads to embryonic lethality during early gastrulation, which is at least partly caused by the disruption of E-cadherin trafficking to the cell surface and therefore lack of sufficient cell-cell adhesion in the embryo. Multiple transcript variants encoding different isoforms have been found for this gene. [provided by RefSeq, Oct 2009]</p> <p>Transcript Variant: This variant (2) uses an alternate splice site in the 5' UTR compared to variant 1. Variants 1, 2 and 3 encode the same isoform (1).</p>