

Product datasheet for SC302239

ARF1 (NM_001024226) Human Untagged Clone

Product data:

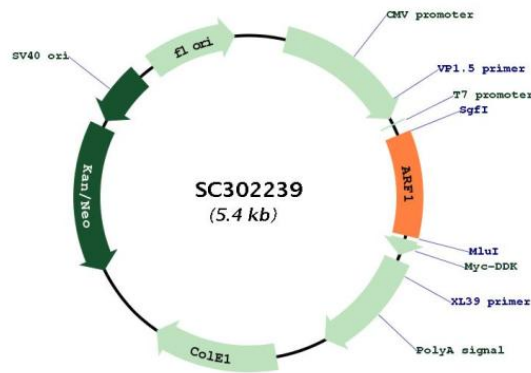
Product Type:	Expression Plasmids
Product Name:	ARF1 (NM_001024226) Human Untagged Clone
Tag:	Tag Free
Symbol:	ARF1
Synonyms:	PVNH8
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Fully Sequenced ORF:	>SC302239 representing NM_001024226. Blue=Insert sequence Red=Cloning site Green=Tag(s)

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GCTCGTTTAGTGAACCGTCAGAATTTTGTAAACGACTCACTATAGGGCGCCGGGAATTCGTCGACTG
GATCCGGTACCGAGGAGATCTGCCGCCGCGATCGCC
ATGGGGAACATCTTCGCCAACCTCTCAAGGGCCTTTTGGCAAAAAGAAATGCGCATCCTCATGGTG
GGCCTGGATGCTGCAGGGAAGACCACGATCCTCTACAAGCTTAAGCTGGGTGAGATCGTGACCACCATT
CCCACCATAGGCTTCAACGTGGAACCGTGGAGTACAAGAACATCAGCTTCACTGTGTGGACGTGGGT
GGCCAGGACAAGATCCGGCCCTGTGGCGCCACTACTCCAGAACACACAAGGCCTGATCTTCGTGGTG
GACAGCAATGACAGAGCGTGTGAACGAGGCCCGTGAGGAGCTCATGAGGATGCTGGCCGAGGACGAG
CTCCGGGATGCTGTCTCTGGTGTTCGCCAACAAGCAGGACCTCCCAACGCCATGAATGCGGCCGAG
ATCACAGACAAGCTGGGGCTGCACTCACTACGCCACAGGAAGTGTACATTCAGGCCACCTGCGCCACC
AGCGGCGACGGGCTCTATGAAGGACTGGACTGGCTGTCCAATCAGCTCCGGAACCAGAAGTGA
ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGAT
TACAAGGATGACGACGATAAGGTTTAAACGGCCGCGC
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Restriction Sites: Sgfl-Mlul



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Plasmid Map:


ACCN:	NM_001024226
Insert Size:	546 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).
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:	NM_001024226.1
RefSeq Size:	1986 bp
RefSeq ORF:	546 bp
Locus ID:	375
UniProt ID:	P84077
Cytogenetics:	1q42.13
Protein Pathways:	Vibrio cholerae infection
MW:	20.7 kDa
Gene Summary:	<p>ADP-ribosylation factor 1 (ARF1) is a member of the human ARF gene family. The family members encode small guanine nucleotide-binding proteins that stimulate the ADP-ribosyltransferase activity of cholera toxin and play a role in vesicular trafficking as activators of phospholipase D. The gene products, including 6 ARF proteins and 11 ARF-like proteins, constitute a family of the RAS superfamily. The ARF proteins are categorized as class I (ARF1, ARF2 and ARF3), class II (ARF4 and ARF5) and class III (ARF6), and members of each class share a common gene organization. The ARF1 protein is localized to the Golgi apparatus and has a central role in intra-Golgi transport. Multiple alternatively spliced transcript variants encoding the same protein have been found for this gene. [provided by RefSeq, Jul 2008]</p> <p>Transcript Variant: This variant (3) has an alternate and shorter 5' UTR, as compared to variant 1.</p>