

Product datasheet for SC319190

ARF6 (NM_001663) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	ARF6 (NM_001663) Human Untagged Clone
Tag:	Tag Free
Symbol:	ARF6
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC (PS100020)
E. coli Selection:	Ampicillin (100 ug/mL)
Fully Sequenced ORF:	>OriGene sequence for NM_001663.2

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CTGGGAGGAGGAGTTGGAGGCCGAGGGAGCCCGCTCGGGCGGCGGCTGGAGGCAGC
GCACCGAGTTCCCGCGAGGATCCATGACCTGACGGGGCCCGAGCCGCGCTGCCTCTCG
GGTGTCTGGGTGCGTGGGAGCCAGTGCTCGCAGGCCGGCGGGCGGGCGGAGGGCTG
CAGTCTCCCTCGCGGTGAGAGGAAGCGGAGGAGCGGGAACCGCGGCGGCTCGCGCGG
CGCCTGCGGGGGGAAGGGCAGTTCGGGCCGGGCCGCGCTCAGCAGGGCGGCGGCTCCC
AGCGCAGTCTCAGGGCCCGGTGGCGGCGGCGACTGGAGAAATCAAGTTGTGCGGTGCGT
GATGCCCGAGTGAGCGGGGGGCTGGGCCCTCTGCCCTTAGGAGGCAACTCCACGCAGGC
CGCAAAGCGCTCTCGCGGCCGAGAGGCTTCGTTTCGGTTTCGCGGCGGCGGCGGCTTG
TTGGCTGAGGGGACCCGGGACACCTGAATGCCCCGGCCCCGGCTCCTCCGACGCGATGG
GGAAGGTGCTATCCAAATCTTCGGGAACAAGGAAATGCGGATCCTCATGTTGGGCTGG
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TTCCCACTGTGGGTTTCAACGTGGAGACGCTGACTTACAAAAATGTCAAGTTCAACGTAT
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AAGGTCTCATCTTCGTAGTGACTGCGCCGACCGCGACCGCATCGATGAGGCTCGCCAGG
AGCTGCACCGCATTATCAATGACCGGGAGATGAGGGACGCCATAATCCTCATCTTCGCCA
ACAAGCAGGACCTGCCGATGCCATGAAACCCACGAGATCCAGGAGAACTGGGCTGA
CCCGATTTCGGGACAGGAAGTGTATGTGCAGCCCTCCTGTCCACCTCAGGGGACGGAC
TCTATGAGGGGCTCACATGGTTAACCTCTAACTACAAATCTTAATGAGCATTCTCCACCC
ATCCCCTGGAAGGAGAGAAATCAAAAACCATTCATAGGATTATCGCCACCATCACTCT
TTCAATTGCCACTTTCTCTTTTGAATTTGAACTCTGGAGTTACTGTTCTACAGTTTG
GCGGGGACGGGGCTTGGGGGTTTTCTCTTTTGTGTTTCCCTTTCTTTTTCTTTTTT
TTTTTTTTTTTTTTGTTGGCTTTGCGTTAGGATGCTCTGATCTGACATTTGACATGAACA
CAAAGTTGCTAGATGCTCTTGTGACTTCCAGCAGATGGGATGGGGGAAACACAGCAGTT
CTTGGTAAAGTCCTTTGTAATAATAGTTTGATTTTTTTATTTTCGAGAGAACTTTTCATT
TCCTATGTATGCTTTTTTCTTTTTTGGCCAGTTTCCTTATCACTTGCTGTAGATGGCTT
ATTTTGCATTTCATGCAGACTATGTTGCAAGTCTGTTTCATCTAGTAAACTGAAAAATTAT
GCTTAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAA

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Restriction Sites:	Please inquire
ACCN:	NM_001663
OTI Disclaimer:	<p>Due to the inherent nature of this plasmid, standard methods to replicate additional amounts of DNA in E. coli are highly likely to result in mutations and/or rearrangements. Therefore, OriGene does not guarantee the capability to replicate this plasmid DNA. Additional amounts of DNA can be purchased from OriGene with batch-specific, full-sequence verification at a reduced cost. Please contact our customer care team at custsupport@origene.com or by calling 301.340.3188 option 3 for pricing and delivery.</p> <p>The molecular sequence of this clone aligns with the gene accession number as a point of reference only. However, individual transcript sequences of the same gene can differ through naturally occurring variations (e.g. polymorphisms), each with its own valid existence. This clone is substantially in agreement with the reference, but a complete review of all prevailing variants is recommended prior to use. More info</p>
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_001663.2 , NP_001654.1
RefSeq Size:	1806 bp
RefSeq ORF:	528 bp
Locus ID:	382
UniProt ID:	P62330
Cytogenetics:	14q21.3
Domains:	RAB, SAR, ARF, arf
Protein Pathways:	Endocytosis, Fc gamma R-mediated phagocytosis

Gene Summary:

This gene encodes a member of the human ARF gene family, which is part of the RAS superfamily. The ARF genes encode small guanine nucleotide-binding proteins that stimulate the ADP-ribosyltransferase activity of cholera toxin and play a role in vesicular trafficking and as activators of phospholipase D. The product of this gene is localized to the plasma membrane, and regulates vesicular trafficking, remodelling of membrane lipids, and signaling pathways that lead to actin remodeling. A pseudogene of this gene is located on chromosome 7. [provided by RefSeq, Jul 2008]