

Product datasheet for **SC119092**

ARF4 (NM_001660) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	ARF4 (NM_001660) Human Untagged Clone
Tag:	Tag Free
Symbol:	ARF4
Synonyms:	ARF2
Mammalian Cell Selection:	None
Vector:	<u>pCMV6-XL5</u>
E. coli Selection:	Ampicillin (100 ug/mL)
Fully Sequenced ORF:	>OriGene ORF sequence for NM_001660 edited

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ATGGGCCTCACTATCTCCTCCCTCTTCTCCCGACTATTTGGCAAGAAGCAGATGCGCATT  
TTGATGGTTGGATTGGATGCTGCTGGCAAGACAACCATTCTGTATAAACTGAAGTTAGGG  
GAGATAGTCACCACCATTCTACCATTGGTTTTAATGTGGAAACAGTAGAATATAAGAAC  
ATTTGTTTCACAGTATGGGATGTTGGTGGTCAAGATAGAATTAGGCCTCTCTGGAAGCAT  
TACTTCCAGAATACCCAGGGTCTTATTTTTGTGGTAGATAGCAACGATCGTGAAAGAATT  
CAGGAAGTAGCAGATGAGCTGCAGAAAATGCTTCTGGTAGATGAATTGAGAGATGCAGTG  
CTGCTACTTTTTGCAAACAAACAGGATTTGCCAAATGCTATGGCCATCAGTGAAATGACA  
GATAAACTAGGGCTTCAGTCTCTTCGTAACAGAACATGGTATGTTCAAGCCACTTGTGCA  
ACACAAGGAACTGGTCTGTATGAAGGACTTGACTGGCTGTCAAATGAGCTTTCAAAACGT  
TAA
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5' Read Nucleotide Sequence:	<p>>OriGene 5' read for NM_001660 unedited GTATTTTGTAAATACGACTCACTATAGGGCGGCCGCAATTTCGGCAGGAGCTTCATCGGC ACAGGGGCCACTGAGACGTTTCTGCCTCCCTCTTTCTTCCCTCCGCTCTTTCTCTCCCTC TCGTTTAGTTTGCCTGGGAGCTTGAAAGGAGAAAGCACGGGGTCGCCCAAAACCCCTTCT GCTTCTGCCCATCACAAGTGCCACTACCGCCATGGGCCTACTATCTCCTCCCTCTTCTC CCGACTATTTGGCAAGAAGCAGATGCGCATTGATGGTTGGATTGGATGCTGCTGGCAA GACAACCATTCTGTATAAACTGAAGTTAGGGGAGATAGTCACCACCATTCTACCATTGG TTTTAATGTGGAACAGTAGAATAAAGAACATTTGTTTCACAGTATGGGATGTTGGTGG TCAAGATAGAATTAGGCCTCTCTGGAAGCATTACTTCCAGAATACCCAGGGTCTTATTTT TGTGGTAGATAGCAACGATCGTGAAAGAATTTCAGGAAGTAGCAGATGAGCTGCAGAAAAT GCTTCTGGTAGATGAATTGAGAGATGCAGTGTCTACTTTTTGCAAACAAACAGGATTT GCCAAATGCTATGGCCATCAGTGAATGACAGATAAACTAGGGCTTCAGTCTCTTCGTAA CAGAACATGGTATGTTCAAGCCACTTGTGCAACACAAGGAAGTGGTCTGTATGAAGGACT TGACTGGCTGTCAAATGAGCTCTCAAAACGTTAAATGAAATGGNATATCTAACCAAGGAC ATGTTTGATAAAATGGGCTAGGCTTGTACACAAAATTAGTTTGTATCTTGGTTATTTAA CAGTATCTGGGACTGGTTGGGCAAAATTTAAACTATTTTGTGCAATATTGTTACCGAG TATAAGTTGCTATTTACCATGGGCTTGGTTAAAGGAATCTTCTTGGGAAAAGTATCCTT TTAT</p>
3' Read Nucleotide Sequence:	<p>>OriGene 3' read for NM_001660 unedited CCGCGGCACGCAATCTANAGTCGAGTTTTTTTTTTTTTTTTTTTACGTATTTTATCATTTT ATTAGGAATAATCCAAATGGGCTTATGAAAGAAAATGTATTCATCGAATTTGATGAGTT TTCAAAAAATCTTAATGAAGATATGTCTGCCAATAAACAACATCAGCAGAATATC ATATACTGAGCAAAAAATCAGGCTGATAACAAAAGCAACATGCAACATAAAAAAGACACA ATATAAAGGAAGCAATCTGCTGAGTATTAATAAACCATCTAAATATCAATCTTTGCAAC CAGCACAGAACTAATTGGCTATCAAATCCAAACCCACCAAGGTTAAGTTTGGCTGATGT AGGCCAGGAGTCAATGTAGGGGGAAAAATTTCTCAGTGCAAGAGAGCTGAGTAGTGT TGGATCTTTCTCTGGCTGGTACAAGCAGTATTAGAAAATCTTTTTGGCAAGGGAGAGAAA TAAATACAAATGGAATGTACATTTTTAAATTAGCAAATGTCTCACGAATGACCCAAGG TATCAGTAAAGTAGCAAGGTGATAACTTTAAACATTATTTGTTGGGGCTCAAAAACAC TCAAAACATTTTAAAGGTTGCACAAGAGCTATGTCCAGGCATTTACGCTTATGGGAA GTACAACATAAGACGATACTTTCTCCCAAGGAGAATTTCTTTAACACCCAGCCATTGC TAAAAACAACATTTATACTTGGTAAAAATAATGGGAAAAAAAAAAGTTTAAAAATTTG CCCAACAGTCCCAAAATCTGTTTATAAACAAGAAAAAATAACCCGGCGCACAAAGCCAC ACCAATTTATAAACAAGGCTCGCTTAAATTTCCATTCTTTACCGTTTGAAGGTCATT GAAAGCACGACAGGCTTCTACAAAACACTTCTTTGGTTGCCAACCGGTGTTGAACACC CCGCGNTCGCTCNCAACAACAGTAANCCTAATTATCGGCTTCTACTGAGGCATAAACT TGG</p>
Restriction Sites:	NotI-NotI
ACCN:	NM_001660
Insert Size:	1600 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_001660.2](#), [NP_001651.1](#)

RefSeq Size: 1610 bp

RefSeq ORF: 543 bp

Locus ID: 378

UniProt ID: [P18085](#)

Cytogenetics: 3p14.3

Domains: RAB, SAR, ARF, arf

Gene Summary: This gene is a member of the human ARF gene family whose members 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 gene products include 5 ARF proteins and 11 ARF-like proteins and constitute one family of the RAS superfamily. The ARF proteins are categorized as class I, class II and class III; this gene is a class II member. The members of each class share a common gene organization. The ARF4 gene spans approximately 12kb and contains six exons and five introns. This gene is the most divergent member of the human ARFs. Conflicting map positions at 3p14 or 3p21 have been reported for this gene. [provided by RefSeq, Jul 2008]