

Product datasheet for **SC119094**

ARF5 (NM_001662) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	ARF5 (NM_001662) Human Untagged Clone
Tag:	Tag Free
Symbol:	ARF5
Mammalian Cell Selection:	None
Vector:	<u>pCMV6-XL5</u>
E. coli Selection:	Ampicillin (100 ug/mL)
Fully Sequenced ORF:	>NCBI ORF sequence for NM_001662, the custom clone sequence may differ by one or more nucleotides

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ATGGGCCTCACCGTGCCGCGCTCTTTTCGCGGATCTTCGGAAGAAGCAGATGCGGATTCTCATGGTTG
GCTTGGATGCGGCTGGCAAGACCACAATCCTGTACAACTGAAGTTGGGGGAGATTGTCACCACCATCCC
AACCATAGGCTTCAATGTAGAAACAGTGAATATAAGAACATCTGTTTCACAGTCTGGGACGTGGGAGGC
CAGGACAAGATTCGGCCTCTGTGGCGGCACTACTCCAGAACACTCAGGGCCTCATCTTTGTGGTGGACA
GTAATGACCGGGAGCGGGTCCAAGAATCTGCTGATGAACTCCAGAAGATGCTGCAGGAGGACGAGCTGCC
GGATGCAGTCTGCTGGTATTTGCCAACAAGCAGGACATGCCCAACGCCATGCCCGTGAGCGAGCTGACT
GACAAGCTGGGGCTACAGCACTTACGCAGCCGCACGTGGTATGTCCAGGCCACCTGTGCCACCCAAGGCA
CAGGTCTGTACGATGGTCTGGACTGGCTGTCCACGAGCTGTCAAAGCGCTAA
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5' Read Nucleotide Sequence:

>OriGene 5' read for NM_001662 unedited
 CACTAATTTGTAATACGACTCACTATAGGGCGGCCCGCAATTCGCACGAGGCCCGCACC
 CCGCGTCGGTGCCCGCGCCCTCCCCGGGCCCGCCATGGGCCTCACCGTGTCCGCGCTC
 TTTTCGCGGATCTTCGGGAAGAAGCAGATGCGGATTTCATGGTTGGCTTGGATGCGGCT
 GGCAAGACCACAATCCTGTACAAACTGAAGTTGGGGGAGATTGTCACCACCATCCCAACC
 ATAGGCTTCAATGTAGAAACAGTGAATATAAGAACATCTGTTTCACAGTCTGGGACGTG
 GGAGGCCAGGACAAGATTCCGGCCTCTGTGGCGGCACTACTCCAGAACAACACTCAGGGCCTC
 ATCTTTGTGGTGGACAGTAATGACCGGGAGCGGGTCCAAGAATCTGCTGATGAACTCCAG
 AAGATGCTGCAGGAGGACGAGCTGCGGGATGCAAGTGTCTGGTATTTGCCAACAAGCAG
 GACATGCCCAACGCCATGCCCGTGAGCGAGCTGACTGACAAGCTGGGGCTACAGCACTTA
 CGCAGCCGACGTGGTATGTCCAGGCCACCTGTGCCACCAAGGCACAGGTCTGTACGAT
 GGTCTGGACTGGCTGTCCACAGCTGTCAAAGCGCTAACCAGCCAGGGCAGGCCCTGA
 TGCCCGTAAGCTCTGCGTGCATCCCCGGATGACAGACTCCCGGACTCCTCAAGCAGTGCC
 CTTTTCTCCACTTTTTCTCCCCATAACCACCAGCCCTCTGGTTCTGCTCTCTGCT
 GCATGTTCTCTCTGGTGTGGAACCTGAACCCTTGCTCTCTGGGCCAAAAGGGTCCAC
 TTTTCTGCCTTGTGGACCTATGAAAGGGCTTCTGCGCAAGGCCCTTTCCACAAGA
 AGAACCACNATCTGGGTTTCCTTTATTTTTCTGTTTGGGG

3' Read Nucleotide Sequence:

>OriGene 3' read for NM_001662 unedited
 TGGACCGCGGCCGCAATCTAGAGTCGAGTTTTTTTTTTTTTTTTTTTTTTTACAAACC
 ACAGCAAATTTATTACTCAAGATCCAGTGCCACATTATAGCACCACCCGAAGCCCTCACC
 TTCCCCCTCCCAACCTGGCCCTAGAGTACACCCAAAACAGAAAAAAAAAAGGAAACCA
 GATCCCTGCTCCTCTCTGGAAGAGGGGGCCTTGCCAGGAAGCCCTTCCATAGGTCCC
 AGCAGGCAGGAGAGTGGACCCCTCTGTGCCAGAGAGCAAGGCTCCAGGCTCCAACAACA
 GAGAGAACATGCAGGCAGGAGCAGGAGCAGAGGCTGTGGCTATGGGGGAGGAAAAGTGG
 GAGGAAAAGGGCACTGCCTGAGGAGTCCGGGAGTCTGGTCAATCCCGGGGATGCACGCAGGA
 GCTTCCGGGCATCAGGGGCTGCCCTGGCTGGTTAGCGCTTTGACAGCTCGTGGGACAG
 CCAGTCCAGACCATCGTACAGACCTGTGCCTTGGGTGGCAGAGTGGCCTGGACATACCA
 CGTGCGGCTGCGTAAGTGTGTAGCCCCAGCTTGTGAGTCAAGTCAAGTCAAGTCAAGT
 GTTGGGCATGCTCCTGCTTGTGGCAAATACCAGCAGCACTGCATCCCGCAGCTCGTCTC
 CTGCAGCATCTTCTGGGAGTCATCAGCAGATTCTGGACCCGCTCCCGGTATTACTGTC
 CACCACAAGATGAGGCCCTGAGTGTCTGGAAGTAGTGCCGCCACAGAGCCCGATCTTG
 TCTGCCCTNCCACGNCCAGACTGTGAAAACAGATGTTCTATAATTCACTGTTTCTACA
 TTGAAGCCTATGGGTGGGATGGNGGTGACAATCTCCCCACTTCANNTGTACACGATNG
 NGGTCTTGCAACCC

Restriction Sites:

NotI-NotI

ACCN:

NM_001662

Insert Size:

920 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_001662.2](#), [NP_001653.1](#)

RefSeq Size: 978 bp

RefSeq ORF: 543 bp

Locus ID: 381

UniProt ID: [P84085](#)

Cytogenetics: 7q32.1

Domains: RAB, SAR, ARF, arf

Gene Summary: This gene is a member of the human ADP-ribosylation factor (ARF) gene family. These 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 gene products include 6 ARF proteins and 11 ARF-like proteins and constitute 1 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). The members of each class share a common gene organization. [provided by RefSeq, Dec 2010]