

## Product datasheet for **SC119091**

### **ARF3 (NM\_001659) Human Untagged Clone**

#### **Product data:**

Product Type:	Expression Plasmids
Product Name:	ARF3 (NM_001659) Human Untagged Clone
Tag:	Tag Free
Symbol:	ARF3
Mammalian Cell Selection:	None
Vector:	<u><a href="#">pCMV6-XL5</a></u>
E. coli Selection:	Ampicillin (100 ug/mL)
Fully Sequenced ORF:	>OriGene ORF within SC119091 sequence for NM_001659 edited (data generated by NextGen Sequencing)

```
ATGGGCAATATCTTTGGAACCTTCTCAAGAGCCTGATTGGGAAGAAGGAGATGCGCATC
CTGATGGTGGGCCTGGATGCCGCAGGAAAGACCACCATCCTATACAAGCTGAAACTGGGG
GAGATCGTCACCACCATCCCTACCATTGGGTTCAATGTGGAGACAGTGGAGTATAAGAAC
ATCAGCTTTACAGTGTGGGATGTGGGTGGCCAGGACAAGATTCGACCCCTCTGGAGACAC
TACTTCCAGAACACCCAAGGTTGATATTTGTGGTCGACAGCAATGATCGGGAGCGAGTA
AATGAGGCCCGGGAAGAGCTGATGAGAATGCTGGCGGAGGACGAGCTCCGGGATGCTGTA
CTCCTTGTCTTTGCAAACAAACAGGATCTGCCTAATGCTATGAACGCTGCTGAGATCACA
GACAAGCTGGGCCTGCATTCCCTTCGTCACCGTAACTGGTACATTCAGGCCACCTGTGCC
ACCAGCGGGGACGGGCTGTACGAAGCCCTGGACTGGCTGGCCAATCAGCTCAAAAACAAG
AAGTGA
```

Clone variation with respect to NM\_001659.2



[View online »](#)

<b>5' Read Nucleotide Sequence:</b>	>OriGene 5' read for NM_001659 unedited TTGTATACGACTCACTATAGGGCGGCCGCGATTTCGGCACGAGGCCGGGGAGTGGGCCAGG GCAGCAGCCGGGCTGAAGTCGGCTTGGGGAGCCAGAGGGAGCGGAGCGGAACCTGCGGGG CAGAGGCGGGCGGCCGAGCGGCCGAGCTGATAGCAGGAACAGGATCAAGTCTTCCATACC AGGGACCAGGCCAAAACCAGACTGCCACTGCCCTACTTGGGCCCCACTGTCCCCAGAAA GCAGCTGCTGTGATCATGGGCAATATCTTGGAAACCTTCTCAAGAGCCTGATTGGGAAG AAGGAGATGCGCATCCTGATGGTGGGCTGGATGCCGCAGGAAAGACCACCATCCTATAC AAGCTGAAACTGGGGGAGATCGTCACCACCATCCCTACCATTGGGTTCAATGTGGAGACA GTGGAGTATAAGAACATCAGCTTTACAGTGTGGGATGTGGGTGGCCAGGACAAGATTGCA CCCCTCTGGAGACACTACTTCCAGAACACCCAAGGGTTGATATTTGTGGTCGACAGCAAT GATCGGGAGCGAGTAAATGAGGCCCGGGAAGAGCTGATGAGAATGCTGGCGGAGGACGAG CTCCGGGATGCTGTACTCCTTGTCTTTGCAAACAACAGGATCTGCCTAATGCTATGAAC GCTGCTGAGATCACAGACAAGCTGGGCCTGCATCCCTTCGTCACCGTAAGTGGTACATT CAGGCCACCTGTGCCACCAGCGGGACGGGCTGTACGAAGCCTGGACTGGCTGGCCATC AGCTCAAAAACAAGAGTGAAGCCAGACAGCCTACACAAGACCCCAACCCCGGAAATAC CTACTGTCAACCTGCCCAATCCTACCCTTCTCTCCATGCAGTGTGCCAGGGCCCTGGG
<b>Restriction Sites:</b>	NotI-NotI
<b>ACCN:</b>	NM_001659
<b>Insert Size:</b>	3600 bp
<b>OTI Disclaimer:</b>	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).
<b>Components:</b>	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).
<b>Reconstitution Method:</b>	<ol style="list-style-type: none"> <li>1. Centrifuge at 5,000xg for 5min.</li> <li>2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA.</li> <li>3. Close the tube and incubate for 10 minutes at room temperature.</li> <li>4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom.</li> <li>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.</li> </ol>
<b>RefSeq:</b>	<u><a href="#">NM_001659.1</a></u> , <u><a href="#">NP_001650.1</a></u>
<b>RefSeq Size:</b>	3595 bp
<b>RefSeq ORF:</b>	546 bp
<b>Locus ID:</b>	377
<b>UniProt ID:</b>	<u><a href="#">P61204</a></u>
<b>Cytogenetics:</b>	12q13.12
<b>Domains:</b>	RAB, SAR, ARF, arf

**Gene Summary:**

ADP-ribosylation factor 3 (ARF3) is a member of the human 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) and members of each class share a common gene organization. The ARF3 gene contains five exons and four introns. [provided by RefSeq, Jul 2008]