

## Product datasheet for SC319700

### ART3 (NM\_001179) Human Untagged Clone

#### Product data:

**Product Type:** Expression Plasmids  
**Product Name:** ART3 (NM\_001179) Human Untagged Clone  
**Tag:** Tag Free  
**Symbol:** ART3  
**Synonyms:** ARTC3  
**Mammalian Cell Selection:** None  
**Vector:** [pCMV6-XL5](#)  
**E. coli Selection:** Ampicillin (100 ug/mL)

**Fully Sequenced ORF:** >OriGene sequence for NM\_001179.2  
GACTCACTGTCAACAACATCCCATCCTGAAGACTTGCTTACCACAACAGAGTGGGGAG  
TCAGTTTGAGGCCTAGCATCACTTAAACTTCTCCAAAGGCACAAAAGCCAGAAGAGAAA  
AATGAAGACGGGACATTTTGAAATAGTCACCATGCTGCTGGCAACCATGATTCTAGTGGA  
CATTTTCCAGGTGAAGGCTGAAGTGTTAGACATGGCAGATAATGCATTTGATGATGAATA  
CCTGAAATGTACGGACAGGATGGAAATTAATACGTTCCCAACTGCTAAAGGAGGAAAA  
AGCAAGCCACCAGCAATTAGATACTGTGTGGGAAAATGCAAAAAGCCAAATGGGCAGCCCG  
AAAGACTCAAATCTTCTCCCTATGAATTTTAAGGATAACCATGGAATAGCCCTGATGGC  
ATATATTTCCGAAGCTCAAGAGCAAACCTCCCTTTTACCATCTGTTCAAGTGAAGCTGTGAA  
GATGGCTGGCCAATCTCGAGAAGATTATCTATGGCTTCCAGTTCAAAGCTTTCCACTT  
TTACCTACAAGAGCCCTGCAGTTGCTGAGAAAACCTTGTGAGGCCAGTTCAAAACCTGT  
GGTATATAGAACAAGCCAGGGCACTTCATTTACATTTGGAGGGCTAAACCAAGCCAGGTT  
TGCCATTTTACCTTGGCATATTCAGCCAAACCTCAGGCTGCTAATGACCAGCTCACTGT  
GTTATCCATCTACACATGCCTTGGAGTTGACATTGAAAATTTTCTTGATAAAGAAAGTGA  
AAGAATTACTTTAATACCTCTGAATGAGGTTTTTCAAGTGTACAGGAGGGGGCTGGCAA  
TAACCTTATCCTTCAAAGCATAAACAAGACCTGCAGCCATTATGAGTGTGCATTTCTAGG  
TGGACTAAAACCGAAAACCTGATTGAGAACCTAGAATATTTTCAACCCATCTATGTCTA  
CAACCTGGTGAGAAAAACCAGAAGCTTGAAGACCATAGTGAGAAAACTGGAAGCTTGA  
AGACCATGGTGAGAAAAACCAGAAGCTTGAAGACCATGGTGTGAAAATCCTTGAACCCAC  
CCAAATACCTGAAGATAAAGTCAAGGAAATATCAACAATCCTACTCCAGGTCCAGTTCC  
TGTTCCAGGTCCCAAAAGCCATCCTTCTGCATCCTCGGGCAAACCTGCTGTTCCACAGTT  
TGGGATGGTCATCATTTAATCAGTGTCTGCTATAAATCTCTTGTGCTCTGTAGTT  
TGATGCATTGTTTATCTTTCTTATTCTTTACTTGAATAACTATAGGGATCCACAGGAGA  
TCAAAAAGGAATGATGATTTTTTACGTGTTGGCCAAAGTCACTGGATAAAATGAGAATTG  
TATATTTGTTATTCATTTTGCAATTCAGAAAAGTTGGTCCAGATATATGTCACAGAACCT  
TTCCTTGTATACTACTTTACAATGAAAAAAATCCCGAAAACCTGTATACTTCTGATTA  
AATTCAATAAAAGATTTTGATTAGTAAAAAAGATTTTAAAAAAGATTTTAAAAAAGATTTT



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<b>Restriction Sites:</b>	Please inquire
<b>ACCN:</b>	NM_001179
<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>OTI Annotation:</b>	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.
<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_001179.2</a></u> , <u><a href="#">NP_001170.2</a></u>
<b>RefSeq Size:</b>	1556 bp
<b>RefSeq ORF:</b>	1137 bp
<b>Locus ID:</b>	419
<b>UniProt ID:</b>	<u><a href="#">Q13508</a></u>
<b>Cytogenetics:</b>	4p15.1-p14
<b>Domains:</b>	ART
<b>Protein Families:</b>	Transmembrane
<b>Gene Summary:</b>	<p>This gene encodes an arginine-specific ADP-ribosyltransferase. The encoded protein catalyzes a reversible reaction which modifies proteins by the addition or removal of ADP-ribose to an arginine residue to regulate the function of the modified protein. An ADP-ribosyltransferase pseudogene is located on chromosome 11. Multiple transcript variants encoding different isoforms have been found for this gene. [provided by RefSeq, Dec 2011]</p> <p>Transcript Variant: This variant (2) lacks an alternate in-frame exon compared to variant 1. The resulting isoform (b) has the same N- and C-termini but is shorter compared to isoform a.</p>