

Product datasheet for **SC126119**

ART5 (NM_053017) Human Untagged Clone

Product data:

Product Type: Expression Plasmids
Product Name: ART5 (NM_053017) Human Untagged Clone
Tag: Tag Free
Symbol: ART5
Synonyms: ARTC5
Mammalian Cell Selection: None
Vector: [pCMV6-XL5](#)
E. coli Selection: Ampicillin (100 ug/mL)

Fully Sequenced ORF: >OriGene sequence for NM_053017 edited
GGGGGGGGCCCTAATCCTGGACCCGGGATCCCGTGCGCCTGGAGACAGGGTCCAGATCTG
CCTCGAGCCCCTCGAAACCAGGACTCCAGCACCTCTGGTCCC GCCCTCACCCGGACCCCT
GGCCCTCACGTCTCCTCCAGGGATGGCGCTGGCGGCTTTGATGATCGCCCTCGGCAGCCT
CGGCCTCCACACCTGGCAGGCCAGGCTGTTCCACCATCCTGCCCTGGGCCTGGCTCC
AGACACCTTTGACGATACCTATGTGGTGTGTAGAGGAGATGGAGGAGAAGGCAGCCCC
CCTGCTAAAGGAGGAAATGGCCACCATGCCCTGCTGCGGGAATCCTGGGAGGCAGCCCA
GGAGACCTGGGAGGACAAGCGTCGAGGGCTTACCTTGCCCCCTGGCTTCAAAGCCCAGAA
TGAATAGCCATTATGGTCTACACCAACTCATCGAACACCTTGTACTGGGAGTTGAATCA
GGCCGTGGGACGGGCGGAGGCTCCCGGAGCTCTACATGAGGCACCTTCCCTTCAAGGC
CCTGCATTTCTACCTGATCCGGGCCCTGCAGCTGCTGCGAGGCAGTGGGGCTGCAGCAG
GGGACCTGGGGAGGTGGTGTCCGAGGTGTGGGAGCCTTCGCTTTGAACCCAAGAGGCT
GGGGGACTCTGTCCGCTTGGGCCAGTTTGCCTCCAGCTCCCTGGATAAGGCAGTGGCCCA
CAGATTTGGTAATGCCACCCTCTTCTCTAACAACCTTGTCTTTGGGGCCCTATACAGGC
CTTCTCTGTCTTTCCCAAGGAGCGCGAGGTGCTGATCCCCCCATGAAGTCTTTTTGGT
TACCAGATTCTCTCAGGATGGAGCCCAGAGCTTGGTGACTCTCTGGAGCTATAATCAGAC
CTGTAGCCATTTAACTGCGCCTATCTGGGTGGGAGAAGAGGCGGGGCTGTGTGTCTGC
GCCAGGAGCCCTGGGAACGGGTGACCTTCATATGACGAAGAGGCACCTCCAGCAGCCTTG
AGAAGCAAGAACATGGTTCGGGACCCAGCCCTAGCAGCCTTCTCCCAACCAGGATGTTG
GCCTGGGAGGCCACAGCAGGGCTGAGGGAACTCTGCTATGTGATGGGGACTTCCCTGGGA
CAAGCAAGGAAAGTACTAGGCAGCCACTTGATTGAACGGTGTGCAATGTGGAGACATG
GAGTTTTATTGAGGTAGCTACGTGATTAATGGTATTGCAGTGTGGAGACATGCAAAAAA
AAAAAAAAAAAAAAAAAAAAA



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5' Read Nucleotide Sequence:	<p>>OriGene 5' read for NM_053017 unedited GGTACATTAATTTGTCAATACGACTCACTATAGGCGGCCGCGTAATTCGCCATTACGGCC GGGGGGGGCCCTAATCCTGGACCCGGGATCCCCTGCGCCTGGAGACAGGGTCCAGATCTG CCTCGAGCCCCTCGAAACCAGGACTCCAGCACCTCTGGTCCC GCCCTCACCCGGACCCCT GGCCCTCACGTCCTCCAGGGATGGCGCTGGCGGCTTTGATGATCGCCCTCGGCAGCCT CGGCCTCCACACCTGGCAGGCCAGGCTGTTCCACCATCCTGCCCTGGGCCTGGCTCC AGACACCTTTGACGATACCTATGTGGTTGTGTAGAGGAGATGGAGGAGAAGGCAGCCCC CCTGCTAAAGGAGGAAATGGCCCCACCATGCCCTGCTGCGGGAATCCTGGGAGGCAGCCCA GGAGACCTGGGAGGACAAGCGTCGAGGGCTTACCTTGCCCCCTGGCTTCAAAGCCAGAA TGGAAATAGCCATTATGGTCTACACCAACTCATCGAACACCTTGTACTGGGAGTTGAATCA GGCCGTGCGGACGGCGGAGGCTCCCGGGAGCTCTACATGAGGCACCTTCCCTTCAAGGC CCTGCATTTCTACCTGATCCGGGCCCTGCAGCTGCTGCGAGGCAGTGGGGCTGCAGCAG GGGACCTGGGAGGTGGTGTCCGAGGTGTGGCAGCCTTCGCTTTGAACCCAAGAAGCT GGNGGACTCTGTCCGCTTGGGCCAGTTTGCCTCCAGCTCCCTGGAAAAGCAGTGGCCAC AGATTTGGTAATGCCACCCTTCTCTCTAACAACCTTGTCTTGGGGCCCCATACAGGCC TTCTCTGTCTTCCAGGAGCGCGAGGTGCTGATCCCCCATGAGTCTTTTGGTTACCA GATCTCTCAGGATGAGCCACACTTGTGACTCTCTGGACT</p>
Restriction Sites:	NotI-NotI
ACCN:	NM_053017
Insert Size:	1300 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).
OTI Annotation:	This TrueClone is provided through our Custom Cloning Process that includes sub-cloning into OriGene's pCMV6 vector and full sequencing. The clone has 3 bp insertion at 5' end to provide an 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:	<u>NM_053017.2</u> , <u>NP_443750.2</u>
RefSeq Size:	1477 bp
RefSeq ORF:	876 bp
Locus ID:	116969
UniProt ID:	<u>Q96L15</u>

Cytogenetics: 11p15.4

Protein Families: Secreted Protein

Gene Summary: The protein encoded by this gene belongs to the ARG-specific ADP-ribosyltransferase family. Proteins in this family regulate the function of target proteins by attaching ADP-ribose to specific amino acid residues in their target proteins. The mouse homolog lacks a glycosylphosphatidylinositol-anchor signal sequence and is predicted to be a secretory enzyme. Several transcripts encoding different isoforms have been found for this gene. [provided by RefSeq, Jul 2014]

Transcript Variant: This variant (1) represents the longest transcript and encodes the longer isoform (a). Variants 1 and 2 both encode the same isoform (a). Sequence Note: This RefSeq record was created from transcript and genomic sequence data to make the sequence consistent with the reference genome assembly. The genomic coordinates used for the transcript record were based on transcript alignments.