

## Product datasheet for **RC236831**

### ART5 (NM\_001297668) Human Tagged ORF Clone

#### Product data:

**Product Type:** Expression Plasmids  
**Product Name:** ART5 (NM\_001297668) Human Tagged ORF Clone  
**Tag:** Myc-DDK  
**Symbol:** ART5  
**Synonyms:** ARTC5  
**Vector:** pCMV6-Entry (PS100001)  
**E. coli Selection:** Kanamycin (25 ug/mL)  
**Cell Selection:** Neomycin  
**ORF Nucleotide Sequence:** >RC236831 representing NM\_001297668  
**Red=Cloning site Blue=ORF Green=Tags(s)**

TTTTGTAATACGACTCACTATAGGGCGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
GCC**CGATCGCC**

ATGGCGCTGGCGGCTTTGATGATCGCCCTCGGCAGCCTCGGCCTCCACACCTGGCAGGCCAGGCTGTTC  
CCATCCTGCCCTGGCCTGGCTCCAGACACCTTTGACGATACCTATGTGGTTGTGCAGAGGAGATGGA  
GGAGAAGGCAGCCCCCTGCTAAAGGAGGAAATGGCCACCATGCCCTGCTGCGGAATCCTGGGAGGCA  
GCCAGGAGACCTGGGAGGACAAGCGTCGAGGGCTTACCTTGCCCTGGCTTCAAAGCCAGAATGGAA  
TAGCCATTATGGTCTACACCAACTCATCGAACCTTGTACTGGGAGTTGAATCAGGCCGTGCGGACGGG  
CGGAGGCTCCCGGGAGCTCTACATGAGGCACTTCCCTTCAAGGCCCTGCATTTCTACCTGATCCGGCC  
CTGCAGCTGCTGCGAGGCAGTGGGGGCTGCAGCAGGGGACCTGGGGAGGTGGTGTCCGAGGTGTGGCA  
GCCTTCGCTTTGAACCAAGAGGCTGGGAGACTCTGTCGCTTGGGCCAGTTTGCCTCCAGCTCCCTGGA  
TAAGGCAGTGGCCACAGATTTGGGGAGAAGAGGCGGGGCTGTGTGTCTGCGCCAGGGGTGCAGCTAGGG  
TCACAATCTGAGGGGCTCCTCTGCCCCCTGGAAGACTCTGCTCTTGGCCCTGGAGAGTTCCAGC  
TCTCAGGGTTGGGCC

**ACGCGT**ACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
ACAAGGATGACGACGATAAGGTTTAA



[View online »](#)

**Protein Sequence:** >RC236831 representing NM\_001297668  
Red=Cloning site Green=Tags(s)

MALAALMIALGSLGLHTWQAQAVPILPLGLAPDTFDDTYVGCAEEMEEKAAPLLKEEMAHHALLRESWEA  
 AQETWEDKRRGLTLPFGKAQNGIAIMVYTSSNTLYWELNQAVRTGGGSREL YMRHFPFKALHFYLIRA  
 LQLLRGSGGCSRGPGEVFRGVGSLRFEPKRLGDSVRLGQFASSSLDKAVAHRFGEKRRGCVSAPGVQLG  
 SQSEGASSLPPWKTLLLAPGEFQLSGVGP

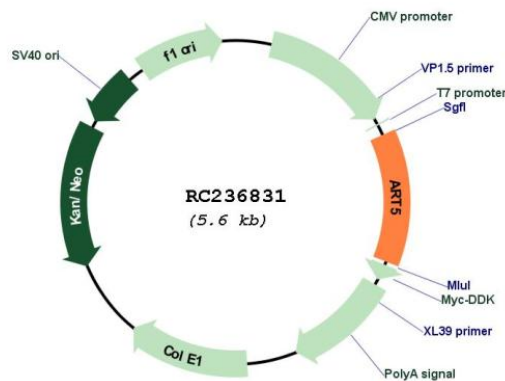
TRTRPLEQKLISEEDLAANDILDYKDDDDKV

**Restriction Sites:** SgfI-MluI

**Cloning Scheme:**



**Plasmid Map:**



**ACCN:** NM\_001297668  
**ORF Size:** 717 bp

<b>OTI Disclaimer:</b>	The molecular sequence of this clone aligns with the gene accession number as a point of reference only. However, individual transcript sequences of the same gene can differ through naturally occurring variations (e.g. polymorphisms), each with its own valid existence. This clone is substantially in agreement with the reference, but a complete review of all prevailing variants is recommended prior to use. <a href="#">More info</a>
<b>OTI Annotation:</b>	This clone was engineered to express the complete ORF with an expression tag. Expression varies depending on the nature of the gene.
<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>	<a href="#">NM_001297668.2</a>
<b>RefSeq Size:</b>	1484 bp
<b>RefSeq ORF:</b>	720 bp
<b>Locus ID:</b>	116969
<b>UniProt ID:</b>	<a href="#">Q96L15</a>
<b>Cytogenetics:</b>	11p15.4
<b>Protein Families:</b>	Secreted Protein
<b>MW:</b>	26.4 kDa
<b>Gene Summary:</b>	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]