

Product datasheet for **RC204806**

ART5 (NM_053017) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	ART5 (NM_053017) Human Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	ART5
Synonyms:	ARTC5
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
ORF Nucleotide Sequence:	>RC204806 ORF sequence Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGGCGCTGGCGGCTTTGATGATCGCCCTCGGCAGCCTCGGCCTCCACACCTGGCAGGCCAGGCTGTTC
CCACCATCCTGCCCTGGGCTGGCTCCAGACACCTTTGACGATACCTATGTGGTTGTGTAGAGGAGAT
GGAGGAGAAGGCAGCCCCCTGCTAAAGGAGGAAATGGCCACCATGCCCTGCTCGGGAATCCTGGGAG
GCAGCCCAGGAGACCTGGGAGGACAAGCGTCGAGGGCTTACCTTGCCCCCTGGCTTCAAAGCCCAGAATG
GAATAGCCATTATGGTCTACACCAACTCATCGAACACCTTGTACTGGGAGTTGAATCAGGCCGTGCGGAC
GGGCGGAGGCTCCCGGAGCTCTACATGAGGCACTTTCCTTCAAGGCCCTGCATTTCTACCTGATCCGG
GCCCTGCAGCTGCTGCGAGGCACTGGGGCTGCAGCAGGGGACCTGGGGAGGTGGTGTCCGAGGTGTGG
GCAGCCTTCGCTTTGAACCAAGAGGCTGGGGGACTCTGTCCGCTTGGGCCAGTTTGCCTCCAGCTCCCT
GGATAAGGCAGTGGCCACAGATTTGGTAATGCCACCCTTCTCTCTAACAACCTGCTTTGGGGCCCT
ATACAGGCCTTCTGTCTTTCCCAAGGAGCGGAGGTGCTGATCCCCCATGAAGTCTTTTGGTTA
CCAGATTCTCTCAGGATGGAGCCCAGAGCTTGGTGACTCTCTGGAGCTATAATCAGACCTGTAGCCATTT
TAACTGCGCCTATCTGGGTGGGAGAAGAGCGGGGCTGTGTCTGCCAGGAGCCCTGGGAACGGGT
GACCTTCATATGACGAAGAGGCACCTCCAGCAGCCT

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA



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Protein Sequence: >RC204806 protein sequence
Red=Cloning site Green=Tags(s)

MALAALMIALGSLGLHTWQAQAVPTILPLGLAPDTFDDTYVGCVEEMEEKAAPLLKEEMAHHALLRESWE
 AAQETWEDKRRGLTLPFGKAQNGIAIMVYTNSNTLYWELNQAVRTGGGSREL YMRHFPFKALHFYLIR
 ALQLLRGSGGCSRGPGEVFRGVSLRFEPKRLGDSVRLGQFASSLKDVAHRFGNATLFLSLTTTCFGAP
 IQAFSVFPKEREVLIPPHEVFLVTRFSQDGAQSLVTLWSYNQTCSHFNCAYLGGEKRRGCVSAPGALGTG
 DLHMTKRHLQQP

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Chromatograms: https://cdn.origene.com/chromatograms/mk6061_h11.zip

Restriction Sites: SgfI-MluI

Cloning Scheme:



ACCN: NM_053017

ORF Size: 876 bp

OTI Disclaimer: 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. [More info](#)

OTI Annotation: This clone was engineered to express the complete ORF with an expression tag. Expression varies depending on the nature of the gene.

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_053017.1](#)

RefSeq Size: 1562 bp

RefSeq ORF: 876 bp

Locus ID: 116969

UniProt ID: [Q96L15](#)

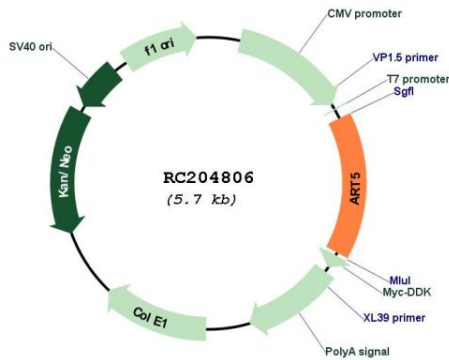
Cytogenetics: 11p15.4

Protein Families: Secreted Protein

MW: 32.2 kDa

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]

Product images:



Circular map for RC204806