

Product datasheet for RC205011

ART3 (NM_001179) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	ART3 (NM_001179) Human Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	ART3
Synonyms:	ARTC3
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
ORF Nucleotide Sequence:	>RC205011 ORF sequence Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGAAGACGGGACATTTTGAATAGTCACCATGCTGCTGGCAACCATGATTCTAGTGGACATTTCCAGG
TGAAGGCTGAAGTGTAGACATGGCAGATAATGCATTTGATGATGAATACCTGAAATGTACGGACAGGAT
GGAAATTAATACGTTCCCAACTGCTAAAGGAGGAAAAAGCAAGCCACCAGCAATTAGATACTGTGTGG
GAAAATGCAAAAGCCAAATGGGCAGCCGAAAGACTCAAATCTTCTCCCTATGAATTTAAGGATAACC
ATGGAATAGCCCTGATGGCATATATTTCCGAAGCTCAAGAGCAAACCTCCCTTTTACCATCTGTTCAGTGA
AGCTGTGAAGATGGCTGGCCAATCTCGAGAAGATTATATCTATGGCTTCCAGTTCAAAGCTTTCCACTTT
TACCTCACAAGAGCCCTGCAGTTGCTGAGAAAACCTTGTGAGGCCAGTTCAAAACCTGTGGTATATAGAA
CAAGCCAGGGCACTTCATTTACATTTGGAGGGCTAAACCAAGCCAGGTTTGGCCATTTTACCTTGGCATA
TTCAGCCAAACCTCAGGCTGCTAATGACCAGCTCACTGTGTTATCCATCTACACATGCCTTGGAGTTGAC
ATTGAAAATTTTCTTGATAAAGAAAGTGAAGAATTACTTTAATACCTCTGAATGAGGTTTTTCAAGTGT
CACAGGAGGGGGCTGGCAATAACCTTATCCTTCAAAGCATAAACAAGACCTGCAGCCATTATGAGTGTGC
ATTTCTAGGTGGACTAAAAACCGAAAACCTGTATTGAGAACCTAGAATATTTCAACCCATCTATGTCTAC
AACCTTGGTGAGAAAAACCGAAGCTTGAAGACCATAGTGAGAAAAACCTGGAAGCTTGAAGACCATGGTG
AGAAAAACCGAAGCTTGAAGACCATGGTGTGAAAATCCTTGAACCCACCCAAATACCTGAAGATAAAAG
TCAAGGAAATATCAACAATCCTACTCCAGTCCAGTTCCTGTTCCAGGTCCCAAAAGCCATCCTTCTGCA
TCCTCGGGCAAACCTGCTGCTTCCACAGTTTGGGATGGTCATATTTAATCAGTGTCTTCTGCTATAAATC
TCTTGTGCTCTG

ACGGTACGGGCGGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA



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Protein Sequence: >RC205011 protein sequence
 Red=Cloning site Green=Tags(s)

MKTGHFEIVTMLLATMILVDIFQVKAEVLDMADNAFDDEYLKCTDRMEIKYVYPQLLKEEKASHQQLDVTW
 ENAKAKWAARKTQIFLPMNFKDNHGIALMAYISEAQEQTPFYHLFSEAVKMAGQSREDYIYGFQKAFHF
 YLTRALQLLRKPCEASSKTVVYRTSQGTSFTFGGLNQRARFGHFTLAYSAPQAANDQLTVLSIYTCLGVD
 IENFLDKESERITLIPLNEVFQVSQEGAGNNLILQSINKTCSHYECAFLGGLKTENCIENTLEFYFQPIYVY
 NPGKKNQKLEHDHSEKNWKLKEDHGEKNQKLEHDHGKILEPTQIPEDKSQGNINNPTPGPVPVPGPKSHPSA
 SSGKLLLPQFGMVIIISVSAINLFVAL

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites:

Sgfl-MluI

Cloning Scheme:

Cloning sites used for ORF Shuttling:



* The last codon before the Stop codon of the ORF

ACCN: NM_001179

ORF Size: 1134 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_001179.6](#)

RefSeq Size: 1580 bp

RefSeq ORF: 1137 bp

Locus ID: 419

UniProt ID: [Q13508](#)

Cytogenetics: 4p15.1-p14

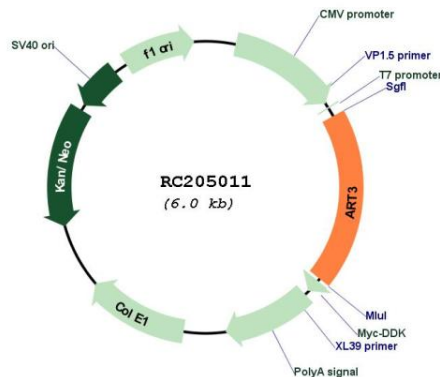
Domains: ART

Protein Families: Transmembrane

MW: 42.7 kDa

Gene Summary: 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]

Product images:



Circular map for RC205011