

Product datasheet for **RR208006**

Art3 (NM_001012034) Rat Tagged ORF Clone

Product data:

Product Type: Expression Plasmids
Product Name: Art3 (NM_001012034) Rat Tagged ORF Clone
Tag: Myc-DDK
Symbol: Art3
Vector: pCMV6-Entry (PS100001)
E. coli Selection: Kanamycin (25 ug/mL)
Cell Selection: Neomycin
ORF Nucleotide Sequence: >RR208006 representing NM_001012034
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGAAGATGGGACATTTGAATTGGTCACCACGCTGCTGGCAGCCATGGTTCTAATGGACGTCTTCCAGG
TGCAGCGGAAGTGTAGACATGGCAGAGAATGTGTTTGACGACGAATATTTGAAGTGAATAGCAGAAT
GGAAATGAAGTATATCCCTCGGATGCACGGTGGAGGTTGGCAAATGACGAGCTCCTGCAGAGTGTGG
GACAAGGCAGGGATCCAGTGGGAGGCGCAGAAGGCTCAGCTCTCCCTCCCTAAGAACTTCAAGGATGCCT
ATGGAATAGCTCTGACAGCTTACGTAACCGAGGCTCAGGACCAGAGTCCCTTTTACCACACATTTCAACCG
TGCTGTGAAGATAGCCGGCTGTCCCGAAGACGCTACATCTATAACTTTCCGTTCAAAGCGTTTCATTTT
TACCTGGTAAGAGCCCTGCAGCTGCTGAGACGACCTTGTGAGGAGAGTTACAAAAACGTGGTGTACAGCA
CGAGCCCCAACATTTTATTTCGTTTCGGCGAGCAAACCAAGCCAGGCTGGGCAACTTACGTTGGCGTA
TTCAGCCAAACCCAGACAGCTAACGAGCAACGGCTGCTAACCATCCAGACCTGCTTTGGAGTTGCCGTG
GGAAAGCTTCTTAATAAAGAAAGTGAGGGAATTGTTCTAATCCCTCTGAGTGAGGTTTTTCAGGTGTCAA
GGAAAGGAACTGACGACGACCTCATCTTACAGCATAAACAGTACCTGCAGCTACTACGAGTGTTCATT
CCTCGGGGTCTAAAAGCTGGTAGTTGTACCACAAACCCAGAAAATCCTGACCCTGGATATCTCAACAAC
CCTGATCTGGACAGTCAGAAGCTCGAAGACTCTGGTAGGAAAAGCCTTGACTCTGTGAAAATGCCAGAAA
TTAAAGTGCTACAAGGAGAGGAAAATCCCTCCTGCCAGATGAAAAGCCTGAAGACAGAAAATCGAGGAAA
GGCCAACGTTCTACTCCAGGTCTGGTTCGGTTCAGGTCCGAAGTCCCATCCTTCGTCATCCTCTGGC
CATCGGCTCCTTCGTCAGACACAGCATCCACCATTTACTCATCGCTGCTGTGGACTTCATCGCTC
TA

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA



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Protein Sequence: >RR208006 representing NM_001012034
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MKMGHFELVTTLLAAMVLMDFVQVQAEVLDMAENVFDDEYLKCN SRMEMKYIPRMHGEELANDELLQSVW
 DKAGIQWEAQKAQLSLPKNFKDAYGIALTAYVTEAQDQSPFYHTFNRAVKIAGLSRRRYIYNFPKAFHF
 YLVRALQLLRPCEESYKNVVYSTSPNISFAFGEQNQARLGNFTLAYSAPQTANEQRLLTIQTFCGVAV
 GKLLNKESEGIVLIPLSEV FQVSRKGTDDDLILHSINSTCSYYECSFLGGLKAGSCTTNPENPDGVLNN
 PDLDSQKLEDSGRKSLDSYKMP EIKVLQGEENPLLPDEKPEDRNRGKANVPTPGLVPVPGPKSHPSSSSG
 HRLLPSDTASTILLIAAAVD FIAL

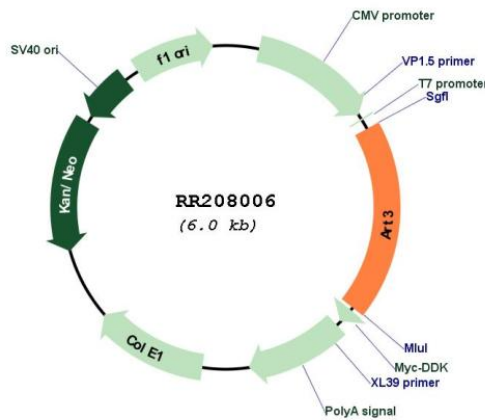
TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites: SgfI-MluI

Cloning Scheme:



Plasmid Map:



ACCN: NM_001012034

ORF Size:	1122 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:	<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:	NM_001012034.1 , NP_001012034.1
RefSeq Size:	1510 bp
RefSeq ORF:	1125 bp
Locus ID:	305235
Cytogenetics:	14p22
MW:	41.7 kDa
Gene Summary:	human homolog is a member of the RT6 superfamily of ADP-ribosyltransferases; may play a role in immune response [RGD, Feb 2006]