

## Product datasheet for **RR205020**

### Art5 (NM\_001013039) Rat Tagged ORF Clone

#### Product data:

**Product Type:** Expression Plasmids  
**Product Name:** Art5 (NM\_001013039) Rat 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:** >RR205020 representing NM\_001013039  
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
GCC**CGGATCGCC**

ATGATTCTGGAGGATCTTCTGATGGTCCTCAGCTGCCTCGCCTTGACATCCTCTGGAAGGTACAAGCTG  
TCCCTATCCTGCCCTGAGCCTGGTCCGGATACCTTCGATGATGCCTATGTGGGCTGCTCTGAGGAGAT  
GGAGGAGAAAGCAGGCCCTGCTGCTAAAGGAAGAGATGGCAGCCATGCCCTGCTACGGGAATCCTGGGAA  
GCAGCGCAAGAGGCCCTGGGCACACGGGCGTCACAAGCTTACTCTACCTCCTGGCTTCAAAGCCCAGCAGC  
GAGTAGCTGTTATGGTGTACACCAACTCATCCAACACCTTGTACTGGGAGCTGAACCAGGCTGTGCGGCAC  
AGGAGGTGCTCCCGGGAGCTCTACATGAGGCACTTCCCCTTCAAGGCCCTGCATTTCTACTTGACCCGG  
GCCCTGCAGTGTGCGGGGCACTGGAGGATGCAGTAGGGAAGCTGGGGAGGTGGTGTCCGAGGTGTGA  
GCAGCCTTCACTTTGAACCAAGAGGCTGGGGGACTCTGTCCGGTTAGGACAGTTTGCTCCAGCTCTGT  
GGATGAAAGAGTGGCTCGCAGGTTTGGCAACGCCACCTTCTTCAATCTAAGGACTGTTTTGGGGCTCCT  
ATCCAGGCTCTGTCTGTCTTCCCTGAGGAGCGTGAGGTGCTGATACCCCAATGAAGTCTTCTTGGTCA  
CTGGGTTCTCCAGGATGGAGCCAGAGCATAGTGACGCTTGGAGTTATAATCAGACCTGCAGCCACTT  
TAACTGCCCTATTTGGGTGGGGAGAAGAGACGTGGCTGTGTGCTCAAGAGCAGGGCAGCCAGAGTCTG  
TTCTCCACAGAGGCTTTGGCTCTGCAATCAGGGAAGACGCTGCTCTTGGCCCTGGGGAGTTGCAGCTCT  
CCAGAGCTGGACCC

**ACGCGT**ACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
ACAAGGATGACGACGATAAGGTTTAA



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**Protein Sequence:** >RR205020 representing NM\_001013039  
 Red=Cloning site Green=Tags(s)

MILEDLLMVL SCLALHILWKVQAVPILPLSLVPDFTDDAYVGCSEEMEEKAGLLKKEEMARHALLRESWE  
 AAQEAWAHGRHKLTLPFGKAQHGVAVMVYTNSNTLYWELNQAVRTGGRSREL YMRHFPFKALHFYLTR  
 ALQLLRGTGGCSREAGEVFRGVSSLHFEPKRLGDSVRLGQF ASSVDERVARRFGNATFFNLRTCFGAP  
 IQALSVFPEEREVLIPPHEVFLVTGFSQDGAQSI VTLWSYNQTC SHFNCAYLGGEKRRGCVSSRAGQPES  
 FSTEALALQSGKTL LLLAPGELQLSRAGP

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

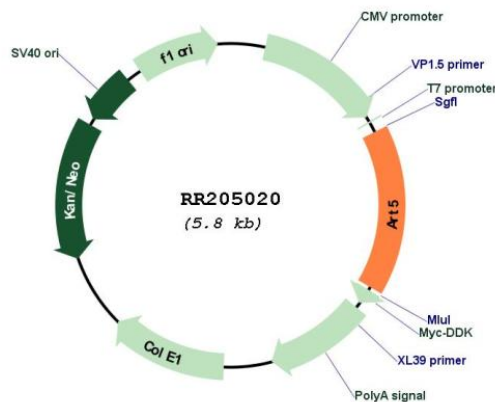
**Restriction Sites:**

Sgfl-MluI

**Cloning Scheme:**



**Plasmid Map:**



**ACCN:** NM\_001013039

**ORF Size:** 924 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_001013039.1</a> , <a href="#">NP_001013057.1</a>
<b>RefSeq Size:</b>	2016 bp
<b>RefSeq ORF:</b>	927 bp
<b>Locus ID:</b>	259167
<b>UniProt ID:</b>	<a href="#">Q5XHY4</a>
<b>Cytogenetics:</b>	1q32
<b>MW:</b>	34.2 kDa
<b>Gene Summary:</b>	mouse homolog is an ecto-ADP-ribosyltransferase that displays NAD-glycohydrolase activity [RGD, Feb 2006]