

## Product datasheet for **RN203312**

### Art2b (NM\_198735) Rat Untagged Clone

#### Product data:

**Product Type:** Expression Plasmids  
**Product Name:** Art2b (NM\_198735) Rat Untagged Clone  
**Tag:** Tag Free  
**Symbol:** Art2b  
**Synonyms:** Ag-F; Art2; Art2a; ARTC2; Ly-2; LY2; PtaA; Rt6; RT6.1; RT6.2  
**Vector:** pCMV6-Entry (PS100001)  
**E. coli Selection:** Kanamycin (25 ug/mL)  
**Cell Selection:** Neomycin  
**Fully Sequenced ORF:** >RN203312 representing NM\_198735  
Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
GCC**CGGATCGCC**

ATGCCATCAAATATTTGCAAGTCTTCTAACTTGGTGGTTAATTCAGCAGGTGACTGGGCTGACAGGGC  
CTTTGATGCTAGACACGGCTCCCAATGCATTTGATGACCAGTATGAGGGCTGTGCAACAAAATGGAGGA  
AAAGGCACCCCTGCTTTTACAGGAAGACTTTAATATGAATGCGAAATTAAGTTGCGTGGGAAGAGGCA  
AAGAAACGATGGAACAACATAAAACCTAGTAGGAGTTATCCCAAAGGTTTCAATGATTTCCATGGAACGG  
CTTTAGTTGCCTACACTGGGAGTATCGCTGTAGATTTTAAACAGAGCTGTTAGGGAATTAAGGAAAATCC  
TGGTCAATTCCACTACAAGGCCTTCCATTACTACTTAACAAGAGCTCTTCAGCTTTTGTAGTAACGGGGAT  
TGTCATTCAGTCTACCGAGGCACTAAGACCAGGTTTCACTATACTGGAGCTGGCTCCGTGCGATTTCGGGC  
AGTTCAGTCTTCATCTTATCTAAGAAAGTAGCTCAATCTCAAGAGTTTTTTCAGTGATCATGGGACGCT  
GTTTCATCATCAAACCTGCTTGGGGTTTATATCAAAGAATTCTTTCCGTCTGACCAAGAGGAGGTG  
TTAATTCAGGCTATGAGGTATATCAGAAAGTCAGGACACAAGGCTACAACGAAATTTTCTGGACTCCC  
CGAAGAGGAAGAAGAGCAACTACAATTGCTTATACAGCAGCGCAGGAGCCAGAGAGAGCTGTGTATCCCT  
GTTCTTGTGGTTCTCCCAGTCTTCTGGTCCAGCTGCTTTGTCTTGCTGAGCCG**TAG**

**ACGCGT**ACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
ACAAGGATGACGACGATAAGGTTTAA

**Restriction Sites:** SgfI-MluI  
**ACCN:** NM\_198735  
**Insert Size:** 828 bp



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<b>OTI Disclaimer:</b>	Our molecular clone sequence data has been matched to the reference identifier above as a point of reference. Note that the complete sequence of our molecular clones may differ from the sequence published for this corresponding reference, e.g., by representing an alternative RNA splicing form or single nucleotide polymorphism (SNP).
<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_198735.2</a> , <a href="#">NP_942030.1</a>
<b>RefSeq Size:</b>	1215 bp
<b>RefSeq ORF:</b>	828 bp
<b>Locus ID:</b>	293152
<b>UniProt ID:</b>	<a href="#">P20974</a>
<b>Cytogenetics:</b>	1q32
<b>Gene Summary:</b>	catalyzes the hydrolysis of NAD to ADP-ribose and nicotinamide; allelic forms ART2a (RT6.1) and ART2b (RT6.2) have differing catalytic specificities [RGD, Feb 2006]