

Product datasheet for MR224866

Art2b (NM_019915) Mouse Tagged ORF Clone

Product data:

Product Type: Expression Plasmids
Product Name: Art2b (NM_019915) Mouse Tagged ORF Clone
Tag: Myc-DDK
Symbol: Art2b
Synonyms: Art; ART2.2; ARTC2; Ly92b; Rt-6; Rt6; Rt6-2
Mammalian Cell Selection: Neomycin
Vector: pCMV6-Entry (PS100001)
E. coli Selection: Kanamycin (25 ug/mL)
ORF Nucleotide Sequence: >MR224866 representing NM_019915
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGATCGCC**

ATGACATCAAAAATTTTCAAGTTCTTCTAACTTGGTGGCTAACCAGCAGGTGACTGGCCTTGCACTGC
 CTTTCATGCTAGACATGGCTCCTAATGCATTTGATGATCAGTATGAGAGCTGTGTCGAAGACATGGAGAA
 AAAGGCACCCAGCTGTTACAAGAAGACTTCAACATGAATGAGGAATTAACCTTGAGTGGGAAAAAGCA
 GAGATAAATTGAAAGAGATCAAAAACAGTACGAGTTATCCGGCAGGTTCCATGATTTCCATGGGACAG
 CTTTAGTTGCCTACACTGGGAACCTCGCTATAGATTTTAAACAGAGCTGTTAGAGACTTCAAGAAAAGTCC
 GGATAACTTCCACTACAAGGCCTTCCATTACTACTTAAACAAGAGCTGTTACAGCTTTTGAATGACCAGGGT
 TGTAGTTTAGTTTACCGAGTACTAAAGTCATGTTTGAATACACTGGGAAGGGCTCTGTGCGATTTGGGC
 AGTTACAGTTCTTCATCTTAAACAAGAGAGTAGCTCTTTCTTCAAATTTTTTCAGTAATCATGGGACACT
 ATTTATCATCAGAACCTGCTTGGGGTTAATATCAAAGAATTCCTCATTCCCTCGTGAAGAGGAGGTG
 TTAATTCAGGCTATGAAGTATACACAAAGTCACAGCACAAAATGATAATGGGTATAATGAAATATTTT
 TGGACTCCCAGAAAGGAAGAAGAGCAACTTCAATTGCTTCTATAATGGTTCTGCTCAAACAGTCAACAT
 TGATTTAGTATATCAGGATCCAGAGAGAGCTGTGTATCCCTGTTCCTTGTGTTCTCCTCGGTCTTCTG
 GTCCAGCAGCTTACTCTTGTGAGCTG

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA



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Protein Sequence: >MR224866 representing NM_019915
Red=Cloning site Green=Tags(s)

MTSKIFKFFLTWWLTQQVTGLAVPFMLDMAPNAFDDQYESCVEDMEKKAPQLLQEDFMNEELKLEWEKA
 EINWKEIKNSTSYPAGFHDFHGTALVAYTGNLAIIDFNRAVRDFKKSPDNFHYKAFHYL TRAVQLLNDQG
 CSLVYRGTKVMFEYTGKGSVRFQGFSSSSLTKRVALSSNFFSNHGTLF IIRTCLGVNIKEFSSFPREEEV
 LIPGYEVYHKVTAQNDNGYNEIFLDSPERKKSFNCFYNGSAQTVNIDFSISGSRESCVSLFLVLLGLL
 VQQLTLAEL

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Chromatograms: https://cdn.origene.com/chromatograms/mm9057_c04.zip

Restriction Sites: SgfI-MluI

Cloning Scheme:

Cloning sites used for ORF Shuttling:



* The last codon before the Stop codon of the ORF

ACCN: NM_019915

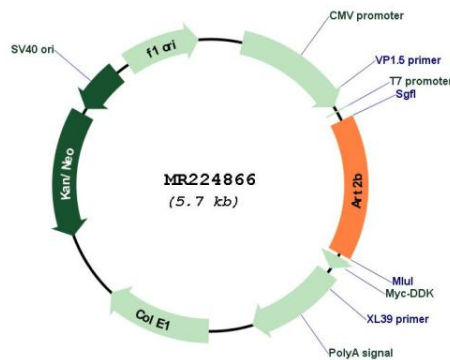
ORF Size: 867 bp

OTI Disclaimer: Due to the inherent nature of this plasmid, standard methods to replicate additional amounts of DNA in E. coli are highly likely to result in mutations and/or rearrangements. Therefore, OriGene does not guarantee the capability to replicate this plasmid DNA. Additional amounts of DNA can be purchased from OriGene with batch-specific, full-sequence verification at a reduced cost. Please contact our customer care team at custsupport@origene.com or by calling 301.340.3188 option 3 for pricing and delivery.

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_019915.3
RefSeq Size:	870 bp
RefSeq ORF:	870 bp
Locus ID:	11872
UniProt ID:	O35975
Cytogenetics:	7 54.61 cM
MW:	33.1 kDa
Gene Summary:	Has both NAD(+) glycohydrolase and ADP-ribosyltransferase activity.[UniProtKB/Swiss-Prot Function]

Product images:



Circular map for MR224866