

Product datasheet for **MG216536**

Art5 (NM_007491) Mouse Tagged ORF Clone

Product data:

Product Type: Expression Plasmids
Product Name: Art5 (NM_007491) Mouse Tagged ORF Clone
Tag: TurboGFP
Symbol: Art5
Synonyms: ARTC5; Yac-2
Mammalian Cell Selection: Neomycin
Vector: pCMV6-AC-GFP (PS100010)
E. coli Selection: Ampicillin (100 ug/mL)
ORF Nucleotide Sequence: >MG216536 representing NM_007491
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGATTCTGGAGGATCTGCTGATGGTCCTCAGCTGCCTCAGCTTGACAGCCCTCTGGAAGGTTTCGAGCTG
TTCCTATCCTGCCCTGAGCCTGGTTCCAGATACCTTTGATGATGCCTATGTGGGCTGCTCTGAGGAGAT
GGAGGAGAAAGCAGGCCTGCTGCTAAAGGAAGAGATGGCAGCCATGCCCTGCTGCGGGAATCCTGGGAA
GCAGCACAAGAGGCTGGGCACACCGCGTCACAAGCTACTCTACCTCCTGGCTTCAAAGCCCAGCAGC
GAGTAGCGATTATGGTGTACACCAACTCATCCAACACCTTGATTGGGAGCTGAACCAGGCCGTACGGAC
AGGAGGTGGCTCCCGGAGCTCTACATGAGGCACTTCCCCTTCAAGGCCCTGCATTTCTACTTGACCCGG
GCTCTGCAGCTGCTGCGGGCTCTGGAGGGTGCAGTAGGGGACCTGGGGAGGTGGTGTCCGAGGTGTGG
GCAGTCTTCACTTTGAACCCAAGAGGCTGGGGGACTCTGTCCGATTAGGACAGTTTACCTCCAGCTCTGT
GGATGAGAGAGTGGCTCGCAGGTTTGGGAATGCCACCTTCTTCAATCTAAGGACTTGTTTGGGGCTCCT
ATCCAGGCGTTGTCTGTCTTCCCTGAGGAGCGTGAGGTGCTGATACCCACACGAAGTCTTCTTGGTCA
CTGGGTTCTCCAGGATGGAGCCAGAGCATAGTACTCTCTCGAGTTATGATCAGACCTGCAGCCACTT
TAACTGCGCCTATTTGGGTGGGAGAAGAGACGTGGCTGTGTCTCAAGAGCAGTCGGGCAGCCAGAG
GCACCCCTCACAGAGGCTCTGGCTCTGCAATCAGGAAAGACACTGCTCTTGGACCAAGGAAGCTGCAGC
TCTCCAGAGCTGGACCC

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA



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Protein Sequence: >MG216536 representing NM_007491
Red=Cloning site Green=Tags(s)

MILEDLLMVL SCLSLHALWKVRAVPILPLSLVPDFTDDAYVGCSEEMEEKAGLLLKEEMARHALLRESWE
 AAQEAWAHRRHKLTLPPGFKAQHGVAIMVYTNSNTLYWELNQAVRTGGGSREL YMRHFPFKALHFYLTR
 ALQLLRGSGGCSRGPGEVFRGVGSLHFEPKRLGDSVRLGQFTSSVDERVARRFGNATFFNLRTCFGAP
 IQALSVFPEEREVLIPPEVFLVTGFSQDGAQSI VTLSSVDQTC SHFNCAYLGG EKRRGCVSSRAVGQPE
 APSTEALALQSGKTL LLDPRKLQLSRAGP

TRTRPLE - GFP Tag - V

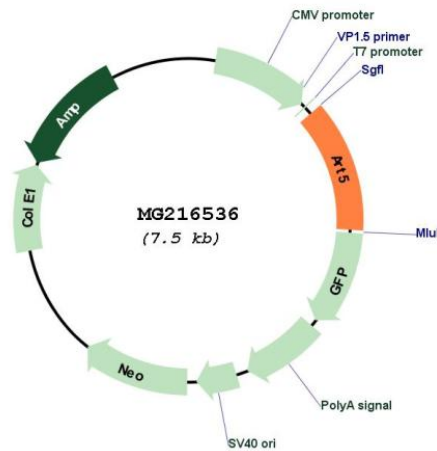
Restriction Sites: SgfI-MluI

Cloning Scheme:

Cloning sites used for ORF Shuttling:



Plasmid Map:



ACCN: NM_007491

ORF Size: 927 bp

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|-------------------------------|---|
| 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_007491.2 , NP_031517.2 |
| RefSeq Size: | 1715 bp |
| RefSeq ORF: | 930 bp |
| Locus ID: | 11875 |
| UniProt ID: | P70352 |
| Cytogenetics: | 7 54.71 cM |