

Product datasheet for **MG218442**

Arv1 (NM_026855) Mouse Tagged ORF Clone

Product data:

Product Type: Expression Plasmids
Product Name: Arv1 (NM_026855) Mouse Tagged ORF Clone
Tag: TurboGFP
Symbol: Arv1
Synonyms: 1110067L22Rik; AI461928; AW121084
Mammalian Cell Selection: Neomycin
Vector: pCMV6-AC-GFP (PS100010)
E. coli Selection: Ampicillin (100 ug/mL)
ORF Nucleotide Sequence: >MG218442 representing NM_026855
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGATCGCC**

ATGGGGACCGCGGGCGTAGGGGGACGCGGTCCGGGAAAGGCACGGAAGGCGCAGCGGGACTTCTTCTCT
 CTTGCCTGTATCGTTGTATCGAGTGCAACCGAGAGGCTCAGGAGCTGTACCGGGACTACAGCCACGGCGT
 GCTCAAGATAACCATCTGCAAATCCTGCCAGAAACCGTAGACAAATACATCGAATACGACCCTGTTATT
 ATCTTGATTAATGCCATTTTATGCAAACTCAGGCCTACAGGCATATTCTTTTCAACACTAAAATAAATA
 TCCATGGGAAACTCTGCATGTTTTGTTTGTGTTGTAAGCATACCTGCGGTGGTGGCAGCTGCAGGACTC
 GAGCCAGAGTCCAGCCCCGATGACGTGATCCGGTACGCCAAGGAGTGGGACTTCTACAGGATGTTTGTC
 ATCGCTTCTTTTGAACAAGCTGCCTTTCTACTGGCATATTTGCTTTCCTGTGGGTACAGCAACCCATGA
 CAGCAAAAAGAGCACCCGACTTTGTTCTGCTGCTGAAAGCACTGTTGCTGTCCAGCTACGGGAAGCTCCT
 GCTAATCCCGCCGTCATCTGGGAACATGACTACACACCTCTGTGTCTCAGGCTCATTAAAGTGTGTTGTC
 CTGACCTCAAATTTCCAGGCAGTCAGAGTGACCCTGAACACAAACCGGAGGCTCTCCCTGTTGGTCGTGC
 TAAGTGGCTTACTGCTGGAGAGCATTGTGGTCTTCTTCTCCAGAGGATGGAGTGGGATGTGAGCAGTGA
 CTGTGCGCTCTACAAGTCTCAGGACTTC

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA



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Protein Sequence: >MG218442 representing NM_026855
 Red=Cloning site Green=Tags(s)

MGTGRRGTRSGKGTGEGAAATSSSCLYRCIECNREAQELYRDYSHGVLKITICKSCQKPVDKYIEYDPVI
 ILINAILCKTQAYRHILFNTKINIHGKLCMFLLCEAYLRWWQLQDSSQSPAPDDVIRYAKWDFYRMFV
 IASFEQAAFLTGFIFLWVQPM TAKRAPDFVLLKALLSSYGKLLLIPAVIWEHDYTPLCLRLIKVVF
 LTSNFQAVRVTLNTRRLSLLVLSGLLLESIVVFFFQRMEDVSSDCALYKSQDF

TRTRPLE - GFP Tag - V

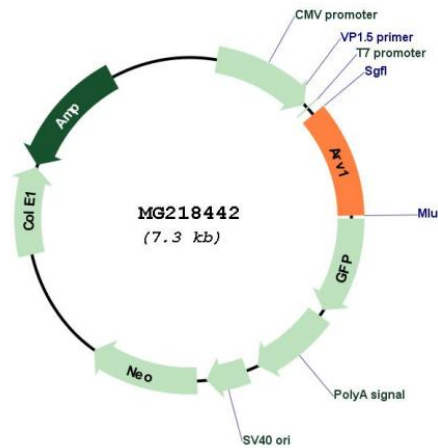
Restriction Sites: SgfI-MluI

Cloning Scheme:

Cloning sites used for ORF Shutting:



Plasmid Map:



ACCN: NM_026855

ORF Size: 798 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_026855.5
RefSeq Size:	1165 bp
RefSeq ORF:	801 bp
Locus ID:	68865
UniProt ID:	Q9D0U9
Cytogenetics:	8 E2
Gene Summary:	Plays a role as a mediator in the endoplasmic reticulum (ER) cholesterol and bile acid homeostasis (PubMed:20663892). Participates in sterol transport out of the ER and distribution into plasma membranes (PubMed:20663892).[UniProtKB/Swiss-Prot Function]