

Product datasheet for MR218442

Arv1 (NM_026855) Mouse Tagged ORF Clone

Product data:

Product Type: Expression Plasmids
 Product Name: Arv1 (NM_026855) Mouse Tagged ORF Clone
 Tag: Myc-DDK
 Symbol: Arv1
 Synonyms: 1110067L22Rik; AI461928; AW121084
 Mammalian Cell Selection: Neomycin
 Vector: pCMV6-Entry (PS100001)
 E. coli Selection: Kanamycin (25 ug/mL)
 ORF Nucleotide Sequence: >MR218442 representing NM_026855
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGATCGCC**

ATGGGGACCGCGGGCGTAGGGGGACGCGG[AT]CCGGGAAAGGCACGGAAGGCGCAGGGCGACTTCTT
 CCTCTTGCTGTATCGTTGTATCGAGTGAACCGAGAGGCTCAGGAGCTGTACCGGGACTACAGCCACGG
 CGTGCTCAAGATAACCATCTGCAAATCCTGCCAGAAACCAGTAGACAAATACATCGAATACGACCCTGTT
 ATTATCTTGATTAATGCCATTTTATGAAAACCTCAGGCCTACAGGCATATTCTTTTCAACACTAAAATAA
 ATATCCATGGGAAACTCTGCATGTTTTGTTTGTGTTTGTGAAGCATACCTGCGGTGGTGGCAGCTGCAGGA
 CTCGAGCCAGAGTCCAGCCCCGATGACGTGATCCGGTACGCCAAGGAGTGGGACTTCTACAGGATGTTT
 GTGATCGCTTCTTTGAACAAGCTGCCTTTCTTACTGGCATATTTGCTTTCCTGTGGGTACAGCAACCCA
 TGACAGCAAAAAGAGCACCCGACTTTGTTCTGCTGCTGAAAGCACTGTTGCTGTCCAGCTACGGGAAGCT
 CCTGCTAATCCCGGCCGTCATCTGGGAACATGACTACACACCTCTGTGTCTCAGGCTCATAAAGTGTTT
 GTCCTGACCTCAAATTTCCAGGCAGTCAGAGTGACCCTGAACACAACCCGGAGGCTCTCCCTGTTGGTCG
 TGCTAAGTGGCTTACTGCTGGAGAGCATTGTGGTCTTCTTCTCCAGAGGATGGAGTGGGATGTGAGCAG
 TGACTGTGCGCTCTACAAGTCTCAGGACTTC

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA



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Protein Sequence: >MR218442 representing NM_026855
Red=Cloning site Green=Tags(s)

MGTGRRGTRXXGKGTEGAAATSSSCLYRCIECNREAQELYRDYSHGVLKITICKSCQKPVDKYIEYDPV
 IILINAILCKTQAYRHILFNTKINIHGKLCMFLLCEAYLRWWQLQDSSQSPAPDDVIRYAKWDFYRMF
 VIASFEEAFLTGIFALWVQPM TAKRAPDFVLLKALLSSYGKLLIPAVIWEHDYTPLCLRLIKVF
 VLTSNFQAVRVTLNTNRRLSLLVLSGLLLESI VVFFFQRMEDVSSDCALYKSQDF

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Chromatograms: https://cdn.origene.com/chromatograms/mm9024_c01.zip

Restriction Sites: SgfI-MluI

Cloning Scheme:



ACCN: NM_026855

ORF Size: 801 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:

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_026855.1](#), [NM_026855.2](#), [NM_026855.3](#), [NM_026855.4](#), [NP_081131.1](#)

RefSeq Size: 1165 bp

RefSeq ORF: 801 bp

Locus ID: 68865

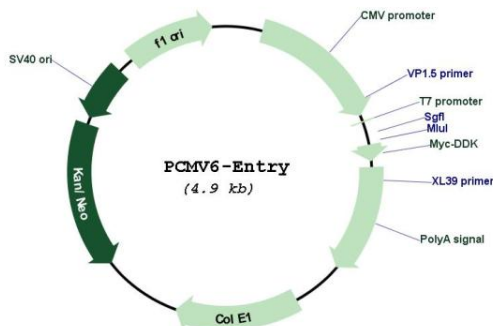
UniProt ID: [Q9D0U9](#)

Cytogenetics: 8 E2

MW: 31 kDa

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]

Product images:



Circular map for MR218442