

Product datasheet for **MC226252**

Arl4a (NM_007487) Mouse Untagged Clone

Product data:

Product Type: Expression Plasmids
Product Name: Arl4a (NM_007487) Mouse Untagged Clone
Tag: Tag Free
Symbol: Arl4a
Synonyms: A1467555; Arl4
Vector: pCMV6-Entry (PS100001)
E. coli Selection: Kanamycin (25 ug/mL)
Cell Selection: Neomycin
Fully Sequenced ORF: >MC226252 representing NM_007487
Red=Cloning site **Blue**=ORF **Orange**=Stop codon

TTTTGTAATACGACTCACTATAGGGCGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**GCGATCGCC**

ATGGGGAATGGACTGTCAGACCAGACTTCCATCCTGTCCAGCCTGCCGTCTTTCAGTCCTTTCACATTG
TTATTCTGGGTTTGGACTGTGCTGGAAAGACAACAGTTTTATACAGGCTGCAGTTCAACGAATTTGTAA
TACCGTACCTACCAAAGGATTTAACTGAGAAAATTAAGTAACCTTGGCAATTCAAAAACGCTACT
TTTCACCTCTGGGATGTAGGTGGTCAAGAGAAGTTAAGACCCTGTGGAAGTCATACACCCGATGCACAG
ATGGTATTGTGTTTGTGGTGGACTCTGTGATGTTGAGAGAATGGAAGAAGCCAAAACTGAACCTCATAA
AATAACTAGGATATCCGAAAATCAGGGAGTCCCTGTGCTTATAGTTGCTAATAACAAGACCTGAGGAAC
TCGCTCTCTCTCAGAGATTGAGAAGTTGTTAGCAATGGGGAACTGAGCTCATCGACTCCTTGGCATT
TGCAGCCACCTGTGCAATCATAGGAGATGGGCTAAAGGAAGGACTCGAGAACTACATGATATGATAAT
TAAAGGAGAAAAATGTTGCGGCAACAGAAAAAGAAGAGAT**TGA**

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites: SgfI-MluI
ACCN: NM_007487
Insert Size: 603 bp

OTI Disclaimer: 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).



OTI Annotation:	Clone contains native stop codon, and expresses the complete ORF without any c-terminal tag.
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_007487.3 , NP_031513.1
RefSeq Size:	3657 bp
RefSeq ORF:	603 bp
Locus ID:	11861
UniProt ID:	P61213
Cytogenetics:	12 18.06 cM
Gene Summary:	<p>Small GTP-binding protein which cycles between an inactive GDP-bound and an active GTP-bound form, and the rate of cycling is regulated by guanine nucleotide exchange factors (GEF) and GTPase-activating proteins (GAP). GTP-binding protein that does not act as an allosteric activator of the cholera toxin catalytic subunit. Recruits CYTH1, CYTH2, CYTH3 and CYTH4 to the plasma membrane in GDP-bound form (By similarity).[UniProtKB/Swiss-Prot Function]</p> <p>Transcript Variant: This variant (1) and variant 2 encode the same protein.</p>