

Product datasheet for MR201629

Arf3 (NM_007478) Mouse Tagged ORF Clone

Product data:

Product Type: Expression Plasmids
Product Name: Arf3 (NM_007478) Mouse Tagged ORF Clone
Tag: Myc-DDK
Symbol: Arf3
Synonyms: 5430400P17Rik; AI854770
Mammalian Cell Selection: Neomycin
Vector: pCMV6-Entry (PS100001)
E. coli Selection: Kanamycin (25 ug/mL)
ORF Nucleotide Sequence: >MR201629 ORF sequence
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGATCGCC**

ATGGGCAATATCTTTGGGAACCTTCTGAAGAGCCTAATCGGCAAGAAGGAGATGCGCATCCTGATGGTGG
 GCCTGGATGCTGCCGGGAAGACCACCATCCTCTACAAGCTGAACTCGGGGAGATTGTCACCACCATCCC
 GACCATTGGGTTAATGTGGAGACAGTGAATATAAGAATATCAGCTTACAGTCTGGGACGTAGGTGGC
 CAGGACAAGATTCGGCCCTCTGGAGACTACTCCAGAACACCAAGGCTTGATATTTGTGGTTGACA
 GCAATGATCGGGAGCGAGTGAACGAGGCCCGGAAGAGCTGATGAGGATGCTGGCGGAGGATGAGCTCCG
 GGATGCTGTGCTCCTTGTGTTTGCAAACAAACAGGATTTGCCGAATGCTATGAATGCTGCTGAGATCACA
 GACAAGCTGGGGCTGCACTCCCTGCGTCACCGCAATTGGTACATTAGGCCACCTGTGCTACCAGCGGGG
 ACGGGCTGTATGAAGCTTGGACTGGCTGGCCAATCAGCTCAAAAACAAGAAG

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence: >MR201629 protein sequence
 Red=Cloning site Green=Tags(s)

MGNIFGNLLKSLIGKKEMRILMVGLDAAGKTTILYKLLKGEIVTTIPTIGFNVETVEYKNISFTVWDVGG
 QDKIRPLWRHYFQNTQGLIFVVDSDNDRERVNEAREELMRMLAEDEL RDAVLLVFANKQDLPNAMNAEIT
 DKLGLHSLRHRNWYIQATCATSGDGLYEGLDWANQLKNKK

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites: SgfI-MluI



Cloning Scheme:


ACCN: NM_007478

ORF Size: 543 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.

Note: Plasmids are not sterile. For experiments where strict sterility is required, filtration with 0.22um filter is required.

RefSeq: [NM_007478.3](#), [NP_031504.1](#)

RefSeq Size: 3481 bp

RefSeq ORF: 546 bp

Locus ID: 11842

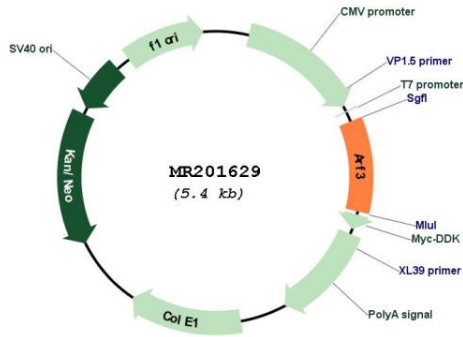
UniProt ID: [P61205](#)

Cytogenetics: 15 F1

MW: 20.6 kDa

Gene Summary: GTP-binding protein that functions as an allosteric activator of the cholera toxin catalytic subunit, an ADP-ribosyltransferase. Involved in protein trafficking; may modulate vesicle budding and uncoating within the Golgi apparatus.[UniProtKB/Swiss-Prot Function]

Product images:



Circular map for MR201629