

Product datasheet for RC235992

ARL17B (ARL17A) (NM_001288811) Human Tagged ORF Clone

Product data:

Product Type: Expression Plasmids
Product Name: ARL17B (ARL17A) (NM_001288811) Human Tagged ORF Clone
Tag: Myc-DDK
Symbol: ARL17B
Synonyms: ARF1P2; ARL17P1
Mammalian Cell Selection: Neomycin
Vector: pCMV6-Entry (PS100001)
E. coli Selection: Kanamycin (25 ug/mL)
ORF Nucleotide Sequence: >RC235992 representing NM_001288811
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGATCGCC**

ATGGGAAACATTTTGAAGCTCTTTAAAGTCTACTTGGGAAAAAAGATGCGGATTCTTATATTGA
 GTTTGGATACAGCTGGAAAAACCACCATCTTGATAAATTGAAGCTGGGGGAGACTGTGCCTGCCGTCCC
 TACAGTAGGTTTCTGTGTGGAGACAGTAGAATATAAAAAAACAACCTTCGCTGTCTGGGATGTTGGCAGC
 CACTTCAAATCAGACCTCTGTGGCAGCATTTTTCCAGAACACAAAAGGCTCTTGCTCCATTGACCAGG
 CTGGAGTGCAGTGGCGTGATCTTGGCTCACTGCAACGCTCTTCCCAAGCTCAGGTTCTGAGCCACAC
 ATCTCCCAACCAAGCTCTCCATACAAGACCTCGGACTGCATCACGTAATGCTTTTTCAGGGGCAAA
 ATC

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence: >RC235992 representing NM_001288811
 Red=Cloning site Green=Tags(s)
 MGNI FEKLFKSL LGKKKMRIL ILSLDTAGKTTILYKLKLGETVPAVPTVGF CVETVEYKNNTFAVWDVGS
 HFKIRPLWQHFFQNTKGSCSIDQAGVQWRDLGSLQRPLPKLRFVSHTSPHTKLLHTRPRTASRKCFFRGK
 I

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites: SgfI-MluI



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Cloning Scheme:


ACCN: NM_001288811

ORF Size: 423 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_001288811.1](#), [NP_001275740.1](#)

RefSeq Size: 2258 bp

RefSeq ORF: 426 bp

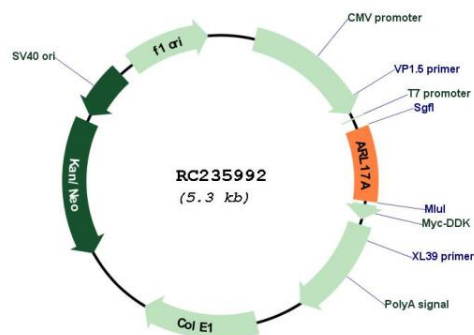
Locus ID: 51326

Cytogenetics: 17q21.31

MW: 16.6 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 (By similarity).[UniProtKB/Swiss-Prot Function]

Product images:



Circular map for RC235992