

Product datasheet for RC225186

ARL17B (ARL17A) (NM_001113738) Human Tagged ORF Clone

Product data:

Product Type: Expression Plasmids
Product Name: ARL17B (ARL17A) (NM_001113738) 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: >RC225186 representing NM_001113738
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGATCGCC**

ATGGGAAACATTTTTGAAAAGCTCTTTAAAAGTCTACTTGGGAAAAAAGATGCGGATTCTTATATTGA
 GTTTGGATACAGCTGGAAAAACCACCATCTTGTATAAATTGAAGCTGGGGAGACTGTGCCTGCCGTCCC
 TACAGTAGGTTTCTGTGTGGAGACAGTAGAATATAAAAAAACACCTTCGCTGTCTGGGATGTTGGCAGC
 CACTTCAAATCAGACCTCTGTGGCAGCATTTTTCCAGAACACAAAAGGTGCCAGAAGCCAGGAAGCA
 CACATCAAGGCTCACTTGCAGCGGGTCTGCCAATAAAATGTAGTCACGTGGAATTTGGAATGTGGAA
 AGGAGGTAGAAGTCATCCTTCCCTCCCCATAGCAGCAGGTGTGCAGGCTCTGGTGGTCACTGGACTCC
 ATACTCCCCACCAAGTCACCAGCCTGGGACCGTGGGGCTGCAAGGACCTCAGCAGCGGTTTCCCAAGT
 TCCTGACTTCTCCATCCTCTGGAATCAGCTGTGGTAAAG

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence: >RC225186 representing NM_001113738
 Red=Cloning site Green=Tags(s)

MGNIFEKLFKSLLGKKMRILILSLDTAGKTTILYKLLGETVPAVPTVGFVETVEYKNNTFVAVDVG
 HFKIRPLWQHFFQNTKGRSPGSTHQGSLASGLVPIKSHVEFGMWKGRSHPFLPHSSRCAGSGGLDS
 ILPHQSPAWGPWGCKDLSSGFPSFLTSSILWKSAVVK

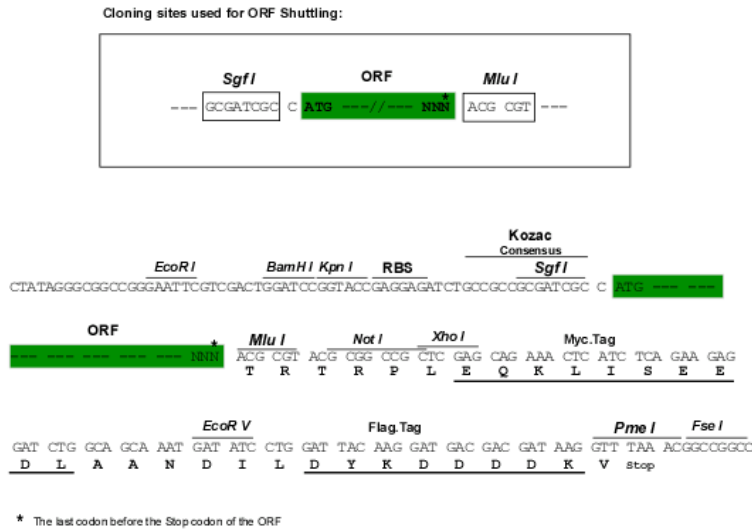
TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Chromatograms: https://cdn.origene.com/chromatograms/mk8074_c08.zip



Restriction Sites: SgfI-MluI

Cloning Scheme:



ACCN: NM_001113738

ORF Size: 531 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_001113738.2](#)

RefSeq Size: 5273 bp

RefSeq ORF: 534 bp

Locus ID: 51326

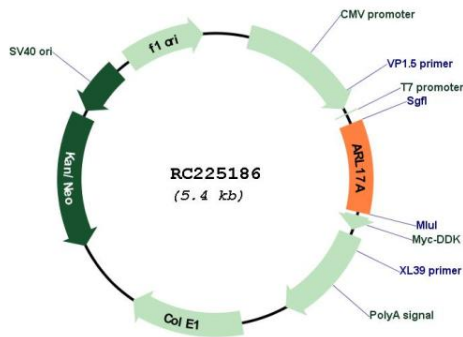
UniProt ID: [Q8IYW1](#)

Cytogenetics: 17q21.31

MW: 19.4 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 RC225186