

Product datasheet for **RC235835**

ARL17B (ARL17A) (NM_001288812) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Tag:	Myc-DDK
Symbol:	ARL17B
Synonyms:	ARFIP2; ARL17P1
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)

ORF Nucleotide Sequence: >RC235835 representing NM_001288812
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCCGCGATCGCC

ATGGGAAACATTTTGAAGCTCTTTAAAGTCTACTTGGGAAAAAAGATGCGGATTCTTATATTGA
GTTTGGATACAGCTGGAAAAACCACTCTTGATAAATTGAAGCTGGGGGAGACTGTGCCTGCCGTCCC
TACAGTAGGTTTCTGTGTGGAGACAGTAGAATAAAAAATAACACCTTCGCTGTCTGGGATGTTGGCAGC
CACTTCAAATCAGACCTCTGTGGCAGCATTTTCCAGAACACAAAAGAGCTATCAGCTTCCAGTTTG
CACAATTCATCAAGAAATTATCGGGGTCACCGGCACAAATGATGAGGCATCTCCTGGAAGCTTAAC TTC
TTATCCATCCCATCTCTTGGACAGA

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence: >RC235835 representing NM_001288812
Red=Cloning site Green=Tags(s)

MGNIFEKLFKSLGKKMRILILSLDTAGKTTILYKLLGETVPAVPTVGFCVETVEYKNNTFAVWDVGS
HFKIRPLWQHFFQNTKELASQFAQFIKKLCGVTGTNDEASPGSLTSYPSHLLDR

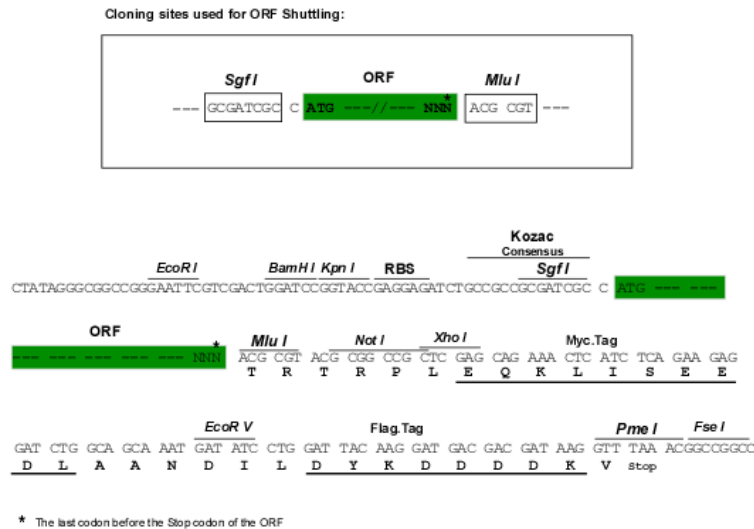
TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Chromatograms: https://cdn.origene.com/chromatograms/mk8033_f07.zip

Restriction Sites: SgfI-MluI



Cloning Scheme:



ACCN: NM_001288812

ORF Size: 375 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.

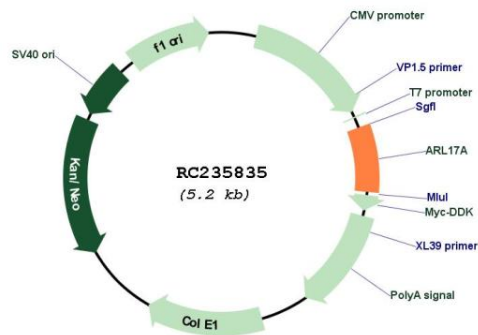
Note: Plasmids are not sterile. For experiments where strict sterility is required, filtration with 0.22um filter is required.

RefSeq: [NM_001288812.1](#), [NP_001275741.1](#)

RefSeq Size: 759 bp
 RefSeq ORF: 378 bp
 Locus ID: 51326
 UniProt ID: [Q8IVW1](#)
 Cytogenetics: 17q21.31
 MW: 14 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 RC235835