

Product datasheet for RC231889

ARL2 (NM_001199745) Human Tagged ORF Clone

Product data:

Product Type: Expression Plasmids
Product Name: ARL2 (NM_001199745) Human Tagged ORF Clone
Tag: Myc-DDK
Symbol: ARL2
Synonyms: ARFL2
Mammalian Cell Selection: Neomycin
Vector: pCMV6-Entry (PS100001)
E. coli Selection: Kanamycin (25 ug/mL)
ORF Nucleotide Sequence: >RC231889 representing NM_001199745
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGATCGC**

ATGGGGCTCTGACCATCTGAAGAAGATGAAGCAGAAAGAGCGGGAGCTGCGACTGCTCATGCTTGGCC
 TGGACAATGCTGGAAAGACAACCATCCTGAAGAAGTTCAATGGGAGGACATCGACACCATCTCCCAAC
 GCTGGGCTTCAACATCAAGACCTGGAGCACCAGGATTCAAGCTGAACATCTGGGATGTGGGTGGCCAG
 AAGTCCCTGCGGTCCTACTGGCGGAACCTTTGAGAGCACCAGTGGCCTCATCTGGGTAGTGGACAGCG
 CAGACCGCCAGCGCATGCAGGACTGCCAGCGGGAGCTCCAGAGCCTGCTGGTGGAGGAGTCTGGAGCT
 GGACTCCATCCGAGCCACCACTGGTGCATCCAGGGCTGCAGCGCGTCACCGGGGAGAACCTGCTGCCG
 GGCATCGACTGGCTCCTGGATGACATTTCCAGCCGATTTTCACAGCTGAC

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence: >RC231889 representing NM_001199745
 Red=Cloning site Green=Tags(s)

MGLLTILKKMKQKERELRLMLGLDNAGKTTILKKFNGEDIDTISPTLGFNIKTLEHRGFKLNIWDVGGQ
 KSLRSYWRNYFESTDGLIWVVDSDRQRMQDCQRELQSLLEVELELDSIRSHHWCIQGCSAVTGENLLP
 GIDWLLDDISSRIFTAD

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites: SgfI-MluI



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Cloning Scheme:


ACCN: NM_001199745

ORF Size: 471 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_001199745.2](#)

RefSeq Size: 912 bp

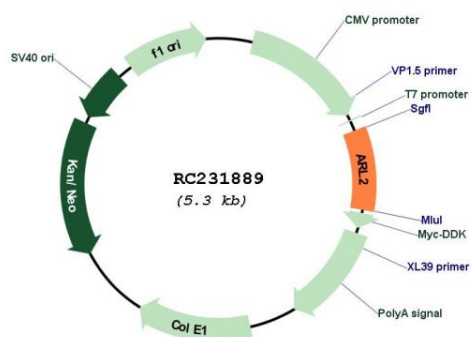
RefSeq ORF: 474 bp

Locus ID: 402

UniProt ID: [P36404](#)

Cytogenetics:	11q13.1
MW:	18.5 kDa
Gene Summary:	This gene encodes a small GTP-binding protein of the RAS superfamily which functions as an ADP-ribosylation factor (ARF). The encoded protein is one of a functionally distinct group of ARF-like genes. [provided by RefSeq, Jul 2008]

Product images:



Circular map for RC231889