

Product datasheet for **RC206318**

ARL6IP6 (NM_152522) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	ARL6IP6 (NM_152522) Human Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	ARL6IP6
Synonyms:	AIP-6; AIP6; PFAAP1
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
ORF Nucleotide Sequence:	>RC206318 ORF sequence Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGTCGTTTGCTGAGAGCGGGTGGCGGTCGGCTCTGCGGCGCCGGTCCCAGCAGCCCGGGCCCTGTGG
CTCGCCATCGTATTCTCCTTTACTCAGGGGACAGCTGGGGTGAAGGCGAAGTCGACGAGGAGGAGGG
ATGCGACCAAGTGGCCCGACCTGCGGGCGGAGTTCTCGGCTGGGGCGTGGTCAAGCCAGAAAGCGC
TCGGTGTCCCAGCGGACGGGAACGGGTCGCCGTTCTGCCGATAAGCGCAATGGTATCTTTCCCGCGG
CCGCGGGCAGCAGAGCCAGCCTCGGCGGTGGCCGGTCCAGGTCCTCTATTCTCTGCTGCTGCTCTT
CGCCATCTTCTCGCCTTCTCCTCGCCATCGCCTACTTGATCGTTAAAGAGTTGCATGCTGAGAATTTG
AAAAATGAAGATGATGTAGACACTGGACTATTAGGATTCTGGACTCTACTATAATCCCTAACTGCTG
GATTCTCCTGTTGCAGCTTTTCTTGACAGTACTTACTTTGATTCTTTTGAACCAGGAATGTTTCTCC
TACTCCTTTTACCTGCCAGGTTCAAGAACTGACTGGACATCTTTCCACATGGGCTATAGCATGGCG
ATTTTGAATGGCATCGTAGCTGCTTACTGTAGCATGGTGCCTCATG

ACGCGTACGCGGGCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCTGGATT
ACAAGGATGACGACGATAAGGTTTAA



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Protein Sequence: >RC206318 protein sequence
Red=Cloning site Green=Tags(s)

MSFAESGWSALRRRGGTPGPVVARPSYSSFTQGDWSGEGEVDEEEGCDQVARDLRAEFSAGAWSEPRKR
 SVLPPDNGNSPVL PDKRNGIFPAAAGSRAQRRWPVQVLSILCSLLFAILLAFLLAIAYLIVKELHAENL
 KNEDD VDTGLLGFWTLIIISLTAGFSCCSFSWTVTYFDSFEPGMFPPTPLSPARFKKLTGHSFHMGY SMA
 IILNGIVAALTVAWCLM

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Chromatograms: https://cdn.origene.com/chromatograms/mk6319_e04.zip

Restriction Sites: SgfI-MluI

Cloning Scheme:



ACCN: NM_152522

ORF Size: 678 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_152522.7](#)

RefSeq Size: 2833 bp

RefSeq ORF: 681 bp

Locus ID: 151188

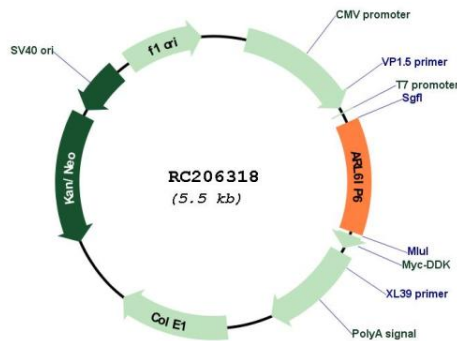
UniProt ID: [Q8N6S5](#)

Cytogenetics: 2q23.3

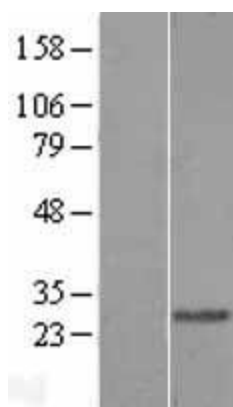
Protein Families: Transmembrane

MW: 24.7 kDa

Product images:



Circular map for RC206318



Western blot validation of overexpression lysate (Cat# [LY407476]) using anti-DDK antibody (Cat# [TA50011-100]). Left: Cell lysates from untransfected HEK293T cells; Right: Cell lysates from HEK293T cells transfected with RC206318 using transfection reagent MegaTran 2.0 (Cat# [TT210002]).