

Product datasheet for **RC204097**

ARL6IP4 (NM_018694) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	ARL6IP4 (NM_018694) Human Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	ARL6IP4
Synonyms:	SFRS20; SR-25; SRp25; SRp37
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
ORF Nucleotide Sequence:	>RC204097 representing NM_018694 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGGAGAGGGCAGGACCAGCCGGGGAGGAGGGCGCGCGGAGGGTCGCCTTCTCCAGGGCACCGG
GGGCGTGGGTGCTGCGGGCGTGCCTGAGAGGGCAGCCTTGAAGTGGCGCAGCTTCGGCAGACACAGG
CGTGAGGGGCTGCGGAGCTCGAGGGCCGGCCCTGCTTGCTTCTGCGGAGGTGGGCGCCCGGGAC
GGAACCTGGGGCGTCAGAACGAAAGGCAGCGCCGCGCTTCCAGCCGGCCAGCTCCCGCCAGCGC
CCCGGCCGGAAGCTCCTCGCCGCGCTTCTCTCGAGAAGGCGCGGGGGGGTGTCCGGCCCGCAGGG
CGGTCGAGCCCGCGGCCATGGCTCACGTCGGCTCCCGCAAGCGCTCGAGGAGTCGAGCCGGTCCCGG
GGACGGGGTTCGAAAAGAGAAAGAAGAGCAGGAAAGACACCTCGAGGAACTGCTCGCCCTCCACAT
CCCAAGGTCGCAAGGCCAGCACGGCCCTGGGGCGGAGGCCTCACCTTCTCCCTGCATCACAGAGAGAAG
CAAGCAGAAGGCCCGGAGGAGAACAAGTCCAGCTCCTCCTCCTTCTTCCAGTTCTTCTAGCTCCTCT
TCTTCTCCTCGTCTCCTCCTTCTCCTCAGTGATGGCCGGAAGAAGCGGGGGAAGTACAAGGACAAGA
GGAGGAAGAAGAAGAAGAAGAGGAAGAGCTGAAGAAGAAGGGCAAGGAGAAGCGGAAGCACAGCAGGT
GGAGGCTCTGCCGGGCCCTCGCTGGACCAGTGGCACCAGTACAGCTGGGAGGAAGAGGATGGCCAGTC
CTGACGGATGAGCAGAAGTCCCGAATCCAGGCCATGAAGCCATGACCAAGGAGGATGGGATGCCCGGC
AGAGCATCATCCGCAAGTGTTGGACCCTGAGACGGGGCGCACCAGGCTTATTAAGGGAGATGGCGAGGT
CCTAGAGGAAATCGTAACCAAAGAACGACACAGAGAGATCAACAAGCAAGCCACCCGAGGGGACTGCCTG
GCCTTCCAGATGCGAGCTGGGTTGCTTCCC

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA



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Protein Sequence: >RC204097 representing NM_018694
Red=Cloning site Green=Tags(s)

MERAGPAGEEGGAREGRLLPRAPGAWLRAAERAALVGAASADTGVRGCGARGPAPLLASAGGGRARD
 GTWGVRTKGSAAALPSRPASRAAPRPEASSPPLPLEKARGGLSGPQGRRARGAMAHVGSRRKRSRSRSR
 GRGSEKRKKKSRKDTSRNCSASTSQGRKASTAPGAEASPCITERSKQKARRRTRSSSSSSSSSSSSSS
 SSSSSSSSSSDGRKKRGKYKDKRRKKKKRKLKKGKEKAEAQVEALPGPSLDQWHRSAEEDGVP
 LTDEQKSRIQAMKPMKKEWDARQSIIRKVVDPETGRTRLIKGDGEVLEEIVTKERHREINKQATRGDCL
 AFQMRAGLLP

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites:

SgfI-MluI

Cloning Scheme:

Cloning sites used for ORF Shuttling:



* The last codon before the Stop codon of the ORF

ACCN: NM_018694

ORF Size: 1080 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_018694.2](#), [NP_061164.2](#)

RefSeq Size: 1378 bp

RefSeq ORF: 714 bp

Locus ID: 51329

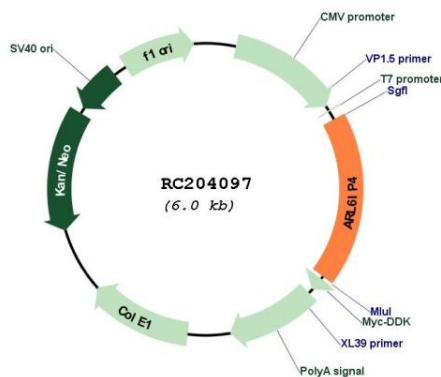
UniProt ID: [Q66PJ3](#)

Cytogenetics: 12q24.31

MW: 38.2 kDa

Gene Summary: Involved in modulating alternative pre-mRNA splicing with either 5' distal site activation or preferential use of 3' proximal site. In case of infection by Herpes simplex virus (HSV1), may act as a splicing inhibitor of HSV1 pre-mRNA.[UniProtKB/Swiss-Prot Function]

Product images:



Circular map for RC204097