

## Product datasheet for **RC237156**

### ARL6IP4 (NM\_001278379) Human Tagged ORF Clone

#### Product data:

**Product Type:** Expression Plasmids  
**Product Name:** ARL6IP4 (NM\_001278379) Human Tagged ORF Clone  
**Tag:** Myc-DDK  
**Symbol:** ARL6IP4  
**Synonyms:** SFRS20; SR-25; SRp25; SRrp37  
**Vector:** pCMV6-Entry (PS100001)  
**E. coli Selection:** Kanamycin (25 ug/mL)  
**Cell Selection:** Neomycin  
**ORF Nucleotide Sequence:** >RC237156 representing NM\_001278379  
**Red=Cloning site Blue=ORF Green=Tags(s)**

TTTTGTAATACGACTCACTATAGGGCGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
GCC**CGGATCGCC**

ATGCCACGTTGCACGTATCAGCTGGAGCAGAATCCTGGCTTCCTCCGGATGGGCTGGGTCCATGCC  
GCGCTCACTGCCAAGATCTTTCTGGCCCTACGGACACGAGTTTGCACCTCTGAGTCACTGGGTGGCG  
CGTCGAAAGACCAGGGCGCCTCAGTCTGGAGCTCGCAGTCCCCGGCGGCCATGGCTCAGTCCGCTCC  
CGCAAGCGCTCGAGGAGTCGCAGCCGGTCCCGGGGACGGGGTTCGAAAAGAGAAAGAAGAAGAGCAGGA  
AAGACACCTCGAGGAAGTCTCGGCCTCCACATCCCAAGAGAGAAGCAAGCAGAAGGCCCGAGGAGAAC  
AAGATCCAGCTCCTCCTCTTCTTCCAGTCTTCTAGTCTCCTTCTCCTCCTCGTCTCCTCCTCT  
TCCTCCAGTGATGGCCGGAAGAAGCGGGGAAGTACAAGGACAAGAGGAGGAAGAAGAAGAAGAGGA  
AGAAGCTGAAGAAGAAGGGCAAGGAGAAGCGGAAGCACAGCAGGTGGAGGCTCTGCCGGCCCCCTCGT  
GGACCAGTGGCACCGATCAGCTGGGAGGAAGAGGATGGCCAGTCTGACGGATGAGCAGAAGTCCCGA  
ATCCAGGCCATGAAGCCCATGACCAAGGAGGAGTGGGATGCCCGCAGAGCATCATCCGCAAGGTGGTGG  
ACCCTGAGACGGGGCGCACCAAGGCTTATTAAGGGAGATGGCGAGGTCCTAGAGAAATCGTAACCAAGA  
ACGACACAGAGAGATCAACAAGCAAGCCACCCGAGGGGACTGCCTGGCCTTCCAGATGCGAGCTGGGTTG  
CTTCCC

**ACGCGT**ACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCCTGGATT  
ACAAGGATGACGACGATAAGGTTTAA



**Protein Sequence:** >RC237156 representing NM\_001278379  
Red=Cloning site Green=Tags(s)

MPRCTYQLEQNPGLPDGPGVHARAHCQDLSGPYGHEFATSESLGGRVVGKTRAPQSGARSPRGAMAHVGS  
 RKRSRSRSRSRGRGSEKRKKKSRKDTSRNCSASTSQERSKQKARRRTRSSSSSSSSSSSSSSSSSSSSSSSS  
 SSSDGRKKRGKYDKRRKKKKKKRKLKKGKEKAEAAQVVEALPGPSLDQWHRSAEEDGPVLTDEQKSR  
 IQAMKPMTKEEWDARQSIIRKVVDPETGRTRLIKGDGEVLEEIVTKERHREINKQATRGDCLAFQMRAGL  
 LP

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

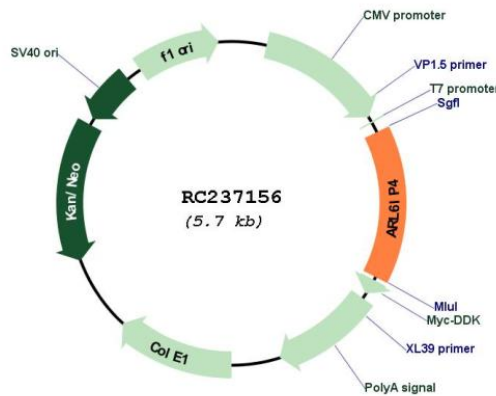
**Restriction Sites:**

Sgfl-MluI

**Cloning Scheme:**



**Plasmid Map:**



**ACCN:** NM\_001278379

**ORF Size:** 846 bp

<b>OTI Disclaimer:</b>	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. <a href="#">More info</a>
<b>OTI Annotation:</b>	This clone was engineered to express the complete ORF with an expression tag. Expression varies depending on the nature of the gene.
<b>Components:</b>	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).
<b>Reconstitution Method:</b>	<ol style="list-style-type: none"><li>1. Centrifuge at 5,000xg for 5min.</li><li>2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA.</li><li>3. Close the tube and incubate for 10 minutes at room temperature.</li><li>4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom.</li><li>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.</li></ol>
<b>RefSeq:</b>	<a href="#">NM_001278379.1</a> , <a href="#">NP_001265308.1</a>
<b>RefSeq Size:</b>	1240 bp
<b>RefSeq ORF:</b>	657 bp
<b>Locus ID:</b>	51329
<b>UniProt ID:</b>	<a href="#">Q66PJ3</a>
<b>Cytogenetics:</b>	12q24.31
<b>MW:</b>	31.8 kDa
<b>Gene Summary:</b>	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]