

Product datasheet for **SC300418**

ARL6IP4 (NM_001002252) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	ARL6IP4 (NM_001002252) Human Untagged Clone
Tag:	Tag Free
Symbol:	ARL6IP4
Synonyms:	SFRS20; SR-25; SRp25; SRrp37
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Fully Sequenced ORF:	>SC300418 representing NM_001002252. Blue=Insert sequence Red=Cloning site Green=Tag(s)

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GCTCGTTTGTAGTGAACCGTCAGAATTTTGTAAACGACTACTATAGGGCGCCGGGAATTCGTCGACTG
GATCCGGTACCGAGGAGATCTGCCGCCGCGATCGCC
ATGGAGAGGGCAGGACCAGCCGGGGAGGAGGGCGCGCGAGGGTTCGCTTCTCCAGGGCACC
GGGGCGTGGGTGCTGCGGGCGTGCGCCGAGAGGGCAGCCTTGAAGTGGGCGCAGCTTCGCAGACACA
GGCGTGGGGGCTGCGGAGCTCGAGGGCCGGCCCTGCTTGCCTCTGCGGGAGGTGGGCGGCCCGG
GACGGAACCTGGGGCGTCAGAACGAAAGGCAGCGCGCCGCGCTCCAGCCGGCCAGCCTCCCGCGCA
GCGCCCCGGCCGAAGCCTCCTCGCCGCGCTTCTCTCGAGAAGGCGGGGGCGGGCTGTCGGGCCG
CAGGGCGGTGAGCCCGCGGCCATGGCTCACGTCGGCTCCCGCAAGCGCTCGAGGAGTCGAGCCGG
TCCCGGGGACGGGGTTCGAAAAGAGAAAGAAGAAGAGCAGGAAAGACACCTCGAGGAACGCTCGGCC
TCCACATCCCAAGAGAGAAGCAAGCAGAAGGCCGGAGGAGAACAAGATCCAGCTCCTCCTCTTCT
TCCAGTCTTCTAGCTCCTCTTCTCCTCCTCGTCTCCTCCTCCTCCAGTGATGGCCGAAGAAG
CGGGGGAAGTACAAGGACAAGAGGAGGAAGAAGAAGAAGAAGAGGAAGAAGCTGAAGAAGAAGGGCAAG
GAGAAGGCGGAAGCACAGCAGGTGGAGGCTTGCCTGGCCCGCTCGCTGGACCAAGTGGCACCAGTACAGT
GGGAGGAAGAGGATGGCCAGTCTGACGGATGAGCAGAAGTCCCGAATCCAGGCCATGAAGCCCATG
ACCAAGGAGGAGTGGGATGCCCGCAGAGCATCATCCGCAAGTGGTGGACCTGAGACGGGGCGCACC
AGGCTTATTAAGGGAGATGGCGAGGTCTAGAGGAAATCGTAACCAAAGAACGACACAGAGAGATCAAC
AAGGTGGGTGTGGCCCTCTGCCTGCCATCCGCCCCAGCTCTGTTTGTGA
ACGCGTACGCGGGCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGAT
TACAAGGATGACGACGATAAGGTTTAAACGGCCGGC
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Restriction Sites:	Sgfl-MluI
ACCN:	NM_001002252
Insert Size:	1017 bp



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OTI Disclaimer:	Our molecular clone sequence data has been matched to the reference identifier above as a point of reference. Note that the complete sequence of our molecular clones may differ from the sequence published for this corresponding reference, e.g., by representing an alternative RNA splicing form or single nucleotide polymorphism (SNP).
OTI Annotation:	This TrueClone is provided through our Custom Cloning Process that includes sub-cloning into OriGene's pCMV6 vector and full sequencing to provide a non-variant match to the expected reference without frameshifts, and is delivered as lyophilized plasmid DNA
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:	<ol style="list-style-type: none"> 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:	<u>NM_001002252.1</u>
RefSeq Size:	1681 bp
RefSeq ORF:	1017 bp
Locus ID:	51329
UniProt ID:	<u>Q66PJ3</u>
Cytogenetics:	12q24.31
MW:	36.2 kDa
Gene Summary:	<p>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]</p> <p>Transcript Variant: This variant (4) has an alternate splice junction in the central region and an additional segment in the 3' region, compared to variant 1. The resulting isoform (4) lacks an internal segment and has a shorter and distinct C-terminus, compared to isoform 1.</p>