

Product datasheet for **SC307110**

ARL6 (NM_177976) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	ARL6 (NM_177976) Human Untagged Clone
Tag:	Tag Free
Symbol:	ARL6
Synonyms:	BBS3; RP55
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Fully Sequenced ORF:	>SC307110 representing NM_177976. Blue=Insert sequence Red=Cloning site Green=Tag(s)

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GCTCGTTTGTAGTGAACCGTCAGAATTTTGTAAACGACTCACTATAGGGCCGCCGGGAATTCGTCGACTG
GATCCGGTACCGAGGAGATCTGCCGCCGCGATCGCC
ATGGGATTGCTAGACAGACTTTTCAGTCTTGCTTGGCCTGAAGAAGAAGGAGGTTTCATGTTTTGTGCCTT
GGGCTAGATAATAGTGGCAAAACGACGATCATTAACTAACTTAACTTCAAATGCTCAATCTCAAAAT
ATCCTTCCAACAATAGGATTCAGCATAGAGAAATTCAAATCATCCAGTTTGTCAATTTACAGTGTGAC
ATGTCAGGTCAAGGAAGATACAGAAATCTCTGGGAACACTATTATAAAGAAGGCCAAGCTATTATTTT
GTCATTGATAGTAGTAGATTAAGAATGGTTGTGGCCAAAGAAGAACTCGATACTCTTCTGAATCAT
CCAGATATTAACACCGTCGAATTCCAATCTTATTCTTTGCAAAATAAATGGATCTTAGAGATGCAGTG
ACATCTGTAAAAGTGTCTCAGTTGCTGTGTTTAGAGAACATCAAAGATAAACCTGGCATATTTGTGCT
AGTGATGCCATAAAAGGAGAAGGCTTGCAAGAAGGTGTAGACTGGCTTCAAGATCAGATCCAGACTGTG
AAGACATGA
ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGAT
TACAAGGATGACGACGATAAGGTTTAAACGCCGCC
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Restriction Sites:	Sgfl-MluI
Plasmid Map:	<input type="checkbox"/>
ACCN:	NM_177976
Insert Size:	561 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:

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_177976.3](#)

RefSeq Size: 4313 bp

RefSeq ORF: 561 bp

Locus ID: 84100

UniProt ID: [Q9H0F7](#)

Cytogenetics: 3q11.2

MW: 21.1 kDa

Gene Summary: The protein encoded by this gene belongs to the ARF-like (ADP ribosylation factor-like) sub-family of the ARF family of GTP-binding proteins which are involved in regulation of intracellular traffic. Mutations in this gene are associated with Bardet-Biedl syndrome (BBS). A vision-specific transcript, encoding long isoform BBS3L, has been described (PMID: 20333246). [provided by RefSeq, Apr 2016]
 Transcript Variant: Variants 1, 2 and 3 encode the same isoform (1). Sequence Note: This RefSeq record was created from transcript and genomic sequence data to make the sequence consistent with the reference genome assembly. The genomic coordinates used for the transcript record were based on transcript alignments.