

Product datasheet for **SC328530**

ARL13B (NM_001174151) Human Untagged Clone

Product data:

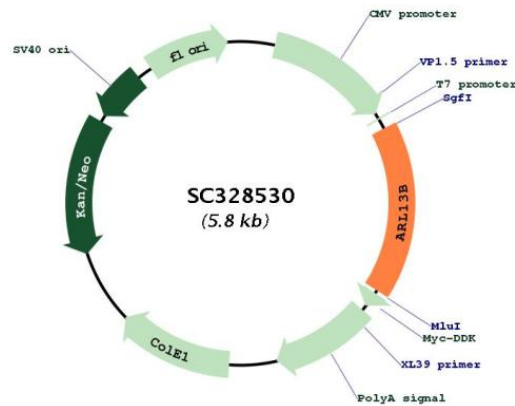
Product Type:	Expression Plasmids
Product Name:	ARL13B (NM_001174151) Human Untagged Clone
Tag:	Tag Free
Symbol:	ARL13B
Synonyms:	ARL2L1; JBTS8
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Fully Sequenced ORF:	>SC328530 representing NM_001174151. Blue=Insert sequence Red=Cloning site Green=Tag(s)

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GCTCGTTTGTAGTGAACCGTCAGAATTTTGTAAATACGACTCACTATAGGGCGCCGGGAATTCGTCGACTG
GATCCGGTACCGAGGAGATCTGCCGCCGCGATCGCC
ATGGAAGAGACAAAAGAGGCTATGTCAGAAATGCTAAGACATCCTAGGATATCGGGAAAGCCTATATTG
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ATTGAGAATGAAGGAAAACCTGAAAAGAGAGAAAAAAACCAAAAATGGAGAAAGACAGTATGGCTGC
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ACAGACCGGCCATCATTGGAATCAGCTAATGGTAAAAAGAAAACCTAAGAACTAAGAATGAAAAGGAAC
CACCGGTGAGAACCCTAATATAGATGACTGTGCTCCTGAGAGTCCAACGCCACCCCAACCCCTCCT
CCTGTTGGCTGGGAACCCCTAAAGTCACTAGACTTCCAAAACCTGAGCCTCTTGGTGAACACATCAT
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GTGATCTCATAA
ACGCGTACGCGGCCGCTCGAGCAGAAAACCTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGAT
TACAAGGATGACGACGATAAGGTTTAAACGGCCGGC
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Restriction Sites: SgfI-MluI



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Plasmid Map:


ACCN: NM_001174151

Insert Size: 978 bp

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_001174151.1](#)

RefSeq Size: 3920 bp

RefSeq ORF: 978 bp

Locus ID: 200894

UniProt ID: [Q3SXY8](#)

Cytogenetics: 3q11.1-q11.2

MW: 37.1 kDa

Gene Summary: This gene encodes a member of the ADP-ribosylation factor-like family. The encoded protein is a small GTPase that contains both N-terminal and C-terminal guanine nucleotide-binding motifs. This protein is localized in the cilia and plays a role in cilia formation and in maintenance of cilia. Mutations in this gene are the cause of Joubert syndrome 8. Alternate splicing results in multiple transcript variants. [provided by RefSeq, Mar 2010]
Transcript Variant: This variant (4) differs in the 3' UTR, lacks an in-frame exon in the 5' coding region and uses a downstream start codon, compared to variant 1. The encoded isoform 3 has a shorter N-terminus, compared to isoform 1.