

## Product datasheet for SC328705

### ARL13B (NM\_001174150) Human Untagged Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	ARL13B (NM_001174150) 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:	>SC328705 representing NM_001174150. Blue=Insert sequence Red=Cloning site Green=Tag(s)

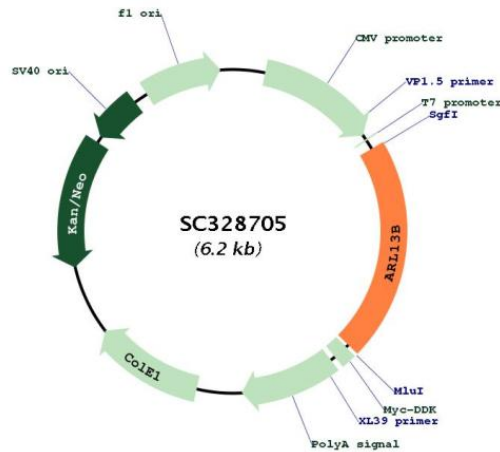
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CTTTTGTGGTGGGACTTGATAATGCTGGTAAAACCGCAACAGCAAAGGGAAATCCAAGGAGAATACCCT
GAAGATGTAGCTCCTACTGTTGGATTTTCAAAAATTAACCTTAGACAAGGAAAGTTGAAGTCACCATC
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ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGAT
TACAAGGATGACGACGATAAGGTTTAAACGGCCGGC
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Restriction Sites: SgfI-MluI

Plasmid Map:



ACCN: NM\_001174150

Insert Size: 1287 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\\_001174150.1](#)

RefSeq Size: 3991 bp

RefSeq ORF: 1287 bp

Locus ID: 200894

UniProt ID: [Q3SXY8](#)

Cytogenetics: 3q11.1-q11.2

MW: 48.6 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 (3) differs in the 3' UTR compared to variant 1. Both variants 1 and 2 encode the same isoform (1).