

Product datasheet for **SC100038**

ARL13B (NM_144996) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	ARL13B (NM_144996) Human Untagged Clone
Tag:	Tag Free
Symbol:	ARL13B
Synonyms:	ARL2L1; JBTS8
Mammalian Cell Selection:	None
Vector:	<u>pCMV6-XL4</u>
E. coli Selection:	Ampicillin (100 ug/mL)
Fully Sequenced ORF:	>OriGene ORF within SC100038 sequence for NM_144996 edited (data generated by NextGen Sequencing)

```

ATGTTTCAGTCTGATGGCCAGTTGCTGCGGCTGGTTCAAGCGGTGGCGGGAGCCTGTCAGG
TTGGCAAATAAACAAAGATAAAGAAGGAGCTTTAGGAGAAGCTGATGTCATTGAATGTCTA
TCTCTGGAAAAATTGGTCAATGAGCACAAAGTGCCTGTGTGATAGAACCATGTTTCAGCA
ATCTCGGGGTATGGAAAGAAAATTGACAAGTCCATTAAGGAGGCTTTATTGGCTGCTA
CATGTTATTGCAAGAGACTTTGATGCCTTAAATGAACGCATCCAAAAAGAGACAACAGAG
CAGCGTGTCTTTGAGGAACAAGAGAAAACAAGAAAGAGCTGAACGAGTGCGAAAATTACGA
GAAGAAAGAAAACAAAATGAACAGGAGCAGGCTGAACTCGATGGAACAGTGGTCTGGCT
GAGTTGGACCCAGAACCAACGAATCCTTTCCAGCCAATAGCATCTGTAATCATTGAGAAT
GAAGGAAAACCTTAAAAGAGAGAAAAAAACCAAAAAATGGAGAAAGACAGTATGGCTGC
CACCTGAAACATAAAATGGAGCATGAGCAAATAGAGACACAAGGCCAGGTTAATCACAAT
GGCCAAAAAATAATGAATTTGGACTAGTAGAAAATTATAAGGAGGCATTAACACAGCAG
TTAAAGAATGAAGATGAGACAGACCCGGCCATCATTGGAATCAGCTAATGGTAAAAAGAAA
ACTAAGAACTAAGAATGAAAAGGAACCCCGGGTAGAACCACTTAATATAGATGACTGT
GCTCCTGAGAGTCCAACGCCACCCCAACCCCTCCTCCTGTTGGCTGGGGAACCCCTAAA
GTCCTAGACTTCCAAAACCTTGAGCCTCTTGGTGAACACATCATAATGATTTCTATAGG
AAGCCACTGCCTCCCCTGGCTGTGCCACAGCGACCTAACAGTATGCTCATGATGTGATC
TCATAA

```

Clone variation with respect to NM_144996.3



[View online »](#)

5' Read Nucleotide Sequence:

>OriGene 5' read for NM_144996 unedited
 TTCACATTTGTATACGACTCATATAGGCGGCCGCGAAATTCGCACGAGGCTTTAGCCGGG
 TCCCGCTAACTCGGCTACGGTGTATCTGCGTCTTTGGTCAGGTTGTTCTTTGGCTAAGAG
 GGCAGTCGTCGCGGACCCACGCGTTAGCAAGGCTTAGTGCTCGGGCCGGCCGCTTAC
 TTCCCTCCCGGCTTTTCTCCCGACTTATCCACTTTAGGGGCGTCTCGGAGTGCCGGAGG
 CCCCCGGGAAGAGCGGGGTGCCGGTGTCCGCTCCGGGCTCGGATGGGAAGTGGTGGGAG
 GAGCGACCCGGGATGTTTCAGTCTGATGGCCAGTTGCTGCGGCTGGTTCAAGCGGTGGCGG
 GAGCCTGTCAGAAAGGTGACTCTTTTGTGGTGGGACTTGATAAATGCTGGTAAAAACGCA
 ACAGCAAAGGAATCCAAGGAGAATACCCTGAAGATGTAGCTCCTACTGTTGGATTTTCA
 AAAATTAACCTTAGACAAGGAAAGTTTGAAGTCAACATCTTTGACTTGGGAGGTGGAATA
 AGAATTCGGGGAATCTGGAAGAATTACTATGCTGAATCCTATGGGGTAATATTTGTTGTG
 GATTCAGTGATGAAGAGAGAATGGNAGAGACCAAAGAGGCTATGTCAGAAATGCTAAGA
 CATCCTAAGATATCGGAAAGCCTATATTGGTGTGGGCAATAAACAAGATAAAGAAAGA
 GCCTTTANGAGAAGCTGATGTCATTGAATGTCTATCTCTGAAAAATGGNTCAATGAGCA
 CAAAGTGCTGTGTCAGATAGAACCATGTCAGCAATCTCGGGTTTGAAGAAATGGC
 AGGTTTCAAAAAAGCCCTTTATGGCTGGTACATGTTTTTGCAAAGAACATTGTTGCC
 TTAATGAACCCCTTCAAAAA

3' Read Nucleotide Sequence:

>OriGene 3' read for NM_144996 unedited
 ACTATGGAACCGCGCCGAATCTAGGATCGAGTTTTTTTTTTTTTTTTTTTGGATATAAA
 TTATTTTTATTGTGTGAAATGTCAAAATTCAGAATTAAGAATAAAAGTATAACATATAA
 CAAAATAGGCATTTAATTGTTAAAATACACCTGGATTTACAAAACATTTTTTAAAATGTT
 TTTAAAATGCTTAAGGAATAAAATTAATTTTTGAGAGAGCTATATAAAATGTGAATTCT
 ATATTATATTTAATTTCAAATCATTATTTTTATTAATGAAGCCAGTAGCTACACTAT
 AGTAAACAGATAGAAAACACAAATTTTAAAACACGTATACTCCCAAACGAGATAAATAT
 TAAAAAGATAGCAAAAGTATGAGTTTAGTTTTAAATTAAGTAAATGTTACAAAAAGCTA
 TGCAATTTTCCCTCTAAAATCCTTTTCAAAGTTTACATTTGCTTTTTCGTATTGCTTTTCA
 TCACATTTTCAGCCACCTCTCAAATTTAGGTTGTTACGAATTTTAGATCTGAAATCAAATG
 CTTTTACCTCACTCAGTGGTTGCTAAGTCCCATGTACAAACTCCAAGAATATATACAG
 TGCTGACTAGAGTACAGGTGACCTGATTATTAAGTTCAGTGAGTTAAAAATGTGAATA
 AAATCTGATGTTCTGAAGTACAATTTTTAAAGTAAATAATTATATAAACGACATAAAAT
 GTACTTAATGTTATCAGATACTAGCACATGTCTGTTGTGTCAGTACAAGTTACCAAAAGC
 ACCAATCTTAACAAGGTGGTATAAAAATCATTCTGTTTATACTATTTTATTGGATATAA
 AGGGTTGNTTTTCATTAATGTACATTATGAATCTATTATTAATAAATACATCTAGAAG
 TTAGTCTAAATGCCAAATACAGAATCTTATGGATGCCATTTCTAAGTGCAAGAA

Restriction Sites:

NotI-NotI

ACCN:

NM_144996

Insert Size:

4000 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).

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:	NM_144996.2 , NP_659433.2
RefSeq Size:	3286 bp
RefSeq ORF:	966 bp
Locus ID:	200894
UniProt ID:	Q3SXY8
Cytogenetics:	3q11.1-q11.2
Gene Summary:	<p>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]</p> <p>Transcript Variant: This variant (2) differs in the 3' UTR and lacks two in-frame exons in the coding region, compared to variant 1. The encoded isoform (2) is shorter than isoform 1.</p>