

## Product datasheet for **SC113625**

### **ARL8B (NM\_018184) Human Untagged Clone**

#### Product data:

Product Type:	Expression Plasmids
Product Name:	ARL8B (NM_018184) Human Untagged Clone
Tag:	Tag Free
Symbol:	ARL8B
Synonyms:	ARL10C; Gie1
Mammalian Cell Selection:	None
Vector:	<u><a href="#">pCMV6-XL5</a></u>
E. coli Selection:	Ampicillin (100 ug/mL)
Fully Sequenced ORF:	>OriGene ORF within SC113625 sequence for NM_018184 edited (data generated by NextGen Sequencing)

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ATGCTGGCGCTCATCTCCCGCTGCTGGACTGGTTCGGTTCGCTCTTCTGGAAGGAAGAG
ATGGAGCTGACGCTCGTGGGGCTGCAGTACTCGGGCAAGACCACCTTCGTCAATGTCATC
GCGTCAGGTCAATTCAAGTGAAGATATGATACCCACAGTGGGCTTCAACATGAGGAAGGTA
ACTAAAGGTAACGTCACAATAAAGATCTGGGACATAGGAGGACAACCCCGATTTGAAAGC
ATGTGGGAGCGGTATTGCAGAGGAGTCAATGCTATTGTTTACATGATAGATGCTGCAGAT
CGTGAAAAGATAGAAGCTTCCCGAAATGAGCTACATAATCTTCTAGATAAACCACAGTTA
CAAGGAATTCCAGTGCTAGTGCTTGGAAACAAGAGAGATCTTCTAATGCCTTGGATGAG
AAACAGCTAATTGAAAAAATGAATCTGTCTGCTATTTCAGGATAGAGAAATTTGCTGCTAT
TCAATTTCTTGCAAAGAAAAGGATAATATAGATATCACACTTCAGTGGCTTATTCAGCAT
TCAAAATCTAGAAGAAGCTGA
```

Clone variation with respect to NM\_018184.2



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<b>5' Read Nucleotide Sequence:</b>	<p>&gt;OriGene 5' read for NM_018184 unedited</p> <pre> NGGAAAGCCGTACATATTTGTATACGACTCACTATAGGCGGCCGCGNAATTCGCACGAGG GCTTCCTGGGTCTGGCTGCTGCCGCCGCCGGTGTCCGCCCGTGTGCGCCGGGGACCA AGGAGCCGTTGGAGGGTCCGGCCGAGGCCCGCTCGTGTGGAAGTCGTCGACGCCGCCG TCGTCCGTCCTCCCGTCCGTTCTCGTCCCGGCCCATCATGCTGGCGCTCATCTCCG CCTGTGGACTGGTTCGTTTCGCTCTTCTGGAAGGAAGAGATGGAGCTGACGCTCGTGG GCTGCAGTACTCGGGCAAGACCACCTTCGTCAATGTCATCGCGTCAGGTCAATTCAGTGA AGATATGATACCCACAGTGGCTTCAACATGAGGAAGGTAACATAAGGTAAACGTACAAT AAAGATCTGGGACATAGGAGGACAACCCCGATTTCAAGCATGTGGGAGCGGTATTGCAG AGGAGTCAATGCTATTGTTTACATGATAGATGCTGCAGATCGTAAAAGATAGAAGCTTC CCGAAATGAGCTACATAATCTTCTAGATAAACCACAGTTACAAGGAATTCAGTGCTAGT GCTTGGAAACAAGAGAGATCTTCTAATGCCTTGGATGAGAAACAGCTAATTGAAAAAT GAATCTGTCTGCTATTCAGGATAGAGAAATTTGCTGCTATTCAATTTCTGCAAAGAAA GGATAATATAGATATCACACTTCAGTGGCTTATTCAGCATTCAAATCTAGAAGAAGCTG AAGCATCTCCTGAAGTCTCCAGTCCTTCTGGCTATTATCCTAGAATTATTGTCGGTTC CTCTGAAGTATCCAGATACGGTCCTTNTAACCCCGAAATT </pre>
<b>3' Read Nucleotide Sequence:</b>	<p>&gt;OriGene 3' read for NM_018184 unedited</p> <pre> AAAATTTAACTCGNNCNCGCGCCGCATATCTANATCGAGTTTTTTTTTTTTTTTTTTT TTTTTTTTTTTTTTTTAAACCCTTAAAAGCAAGTTTATTGAATAAAGCTGAGAAGAGCAG TAAACAGACAAAAATGCATCCACCTAAATAAAAAAATTCACATATTTACATAGTTCAGT AACTGTTAAAAGTTTTACATGCAGAGGTTAATGCACAGGAAAAATGTTGGTAATAGCGTC TGGATGTCTTGAATGCGGAAAGCATTGTATAGACACACAAAACACATTAAGGTTTAGCTA TAGGTCATTAACAAACCTATGCAGTCCCCACAGAGTCACACATTCTAGTTCCAATTCCT CCTTTTAGGCACAAGCAAGTTGCCACATTCTTTGTAATGGTTCACTGACCATTAATGG TGTTGAACAACAGTAGCAAGTTTAAATATCCCTTCATTTACAGAACCATCCATCCCACCA GGGTAGTATGCAACATGCTTCAAAGAATAAGAAGAGAAATTTAAAAGCCAGATTCTACT CATAAAAAATGAATGGAGAAAAGCAAGTAGTGTCTGTGCAACACAGCGCAGTATATTGC ACAGAATATTTTAAAGCCATGGCAGTCTATAAATTTAAACTGATTTTCATTAAGAAGC TTACTGTTGACTACACTCTGAGTGTCTCAACACATTTTGGAAATGCAGTTTACATAAGGGC TGCTTACCAAAAAGAACAAAATCCCCCAGTGGGAGGCAACCCATAAGCGGGTGGCCCAT AGAGTTTTATTACCTACGCGCCATATGAAAAATATTACAAAAGGACCACGTTTAATA TGTCCTTTTGGATCCGGAGCCCTAAACCACAAACAGTCCATTTGAGTTTTTAACATTT TTTCTCATAAAAC </pre>
<b>Restriction Sites:</b>	NotI-NotI
<b>ACCN:</b>	NM_018184
<b>Insert Size:</b>	2930 bp
<b>OTI Disclaimer:</b>	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).
<b>Components:</b>	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\\_018184.2](#), [NP\\_060654.1](#)

**RefSeq Size:** 3008 bp

**RefSeq ORF:** 561 bp

**Locus ID:** 55207

**UniProt ID:** [Q9NVJ2](#)

**Cytogenetics:** 3p26.1

**Domains:** RAB, SAR, ARF, arf

**Gene Summary:** Plays a role in lysosome motility (PubMed:16537643, PubMed:25898167). In neurons, mediates the anterograde axonal long-range transport of presynaptic lysosome-related vesicles required for presynaptic biogenesis and synaptic function (By similarity). May play a role in chromosome segregation (PubMed:15331635).[UniProtKB/Swiss-Prot Function]