

Product datasheet for **MC200962**

Arl8b (NM_026011) Mouse Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Arl8b (NM_026011) Mouse Untagged Clone
Tag:	Tag Free
Symbol:	Arl8b
Synonyms:	2610313E07Rik; 3100002J04Rik; Arl10c; gie1
Mammalian Cell Selection:	Neomycin
Vector:	PCMV6-Kan/Neo (PCMV6KN)
E. coli Selection:	Kanamycin (25 ug/mL)



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Fully Sequenced ORF: >BC013719 sequence for NM_026011
 CGTCGCTGCCGCCAGCCTCTGTCTGCCCGCTAGCTCCAGGGGCCCGCCGAAGACCGTTGGCGGGTTC
 GGGGCCGATACCCGCTCGTGGGAAAGAGTGTCCGCTGTCTGCCGCGCCGTCCACGCTCGCAGCCGGCCG
 CCGCCATGCTGGCGCTCATCTCCCGCTGCTGGACTGGTTCGGTTCGCTCTTCTGGAAGGAGGAGATGGA
 ACTGACGCTCGTGGGGCTGCAGTACTCCGGCAAGACCACCTTCGTCATGTCATCGCGTCCGGTCAATTC
 AGTGAAGATATGATACCCACAGTGGGCTTCAACATGAGGAAAGTAACTAAAGGCAACGTCAACAATAAGA
 TCTGGGACATAGGCGGACAGCCCGGTTCCGGAGCATGTGGGAGCGGTACTGCCGAGGAGTCAATGCAAT
 TGTTTACATGATAGATGCTGCAGATCGAGAAAAGATAGAAGCCTCTCGAAATGAACTGCATAATCTTCTA
 GATAAACACAGTTACAAGGGATTCCAAGTACTAGTACTTGAAAACAAGAGAGATCTTCCAATGCCTTGG
 ATGAGAAAACAGCTAATTGAGAAAATGAACCTGTCTGCTATTCAAGGATAGAGAAAATTTGCTGCTATTCAAT
 TTCTTGAAAAGAAAAGGATAATATAGATATCACACTTCAGTGGCTTATTCAACACTCAAAAATCCCGGAGA
 AGCTGAGACCTCTTCTCGTCTTCCAGTCCCCTTGGCTCTAACCTTAGAACTCCTGTCGTTCTCTGAAG
 TACTTCCCAGGACATGGTCTTCTAAACCCAAGAAAATGGCTTTTTTTCAGAGTTTATTTCTCATGTGCAC
 TGCTGAAGATGTGATTCTATCCTTCATAGCAAATCAGCTGGAGTTGTCATGATAAAAAGTCAGCACACA
 CTAAGGCTTCATACAGTGTCTAGTGTGTTGAGGCCTTTTCTTTCTATTTTAAACACCCACATTTT
 TGACCATCTTAATTAAGAAAATTCATATTACCATTCTGGTCTTTCTGGGCCAGATTTTTGTATTGGTTT
 TCAGTAAATGTCTACCTATTTTACATTACAGAGTCCAGTAGCTTCTACTACTGGTATGGACTTGATGCAGCA
 TGGAAATTTCTAGTGCCACCCACAGTATTAGAAAACCTTTAAGCCTGTCTGATGTGGGATACGGACATAC
 TGTTTATCCCATCTCACACATGCATGTGAAATGTAGACTTACACTGTAGGAAATAATTTGGTCTGTCAGAGT
 TAACAGAGGCACCCAGGTGAGAAATAGTAGCTTCTTACACTGGAGATTTCTACCTGGTGAATTTTTAAAA
 ACCTTCTGCTTTTCTGAACTCCTTTGTGAGCAGATAGCGTCTGGGGAGGTGGGAGGAGTCACAGCATGCT
 CTTTTCTATCTGTCAGATCATTAGGTTTTTTTTCCCCCTTTTAAACACTTTTTTAAAGGGATGGGAAT
 TGAAGTTTTTTTTTTTTTCTCTCAAAGCTTTTCATGAATTTAGAGCATTCTAGCTAATGATAAAAACCC
 TTTAAGAATGTCGACTTCATCGAATCCAGTCTGTTCTTTGTCTCCAGGCACCCACCCTGTGCTGCTG
 CATGCCACCTTAATTCCTGACTTTTTATCTAGTTCATGAAGGTGACTTTCAGCACAAAGGACACTTAT
 AAACAAATTTCTATTTTTTTCTTACCAATGTAAGGTTTGGCACTTTTTCACTGGTGCCACTAGACTTAT
 TGATTGTGACAACTCTAGACCTGCCTGCTTATCTAATGTAATCATGCGCAATGTCTACAGGTTGTTTGA
 TGATCGGCCACACAGAGAACGGAGGAAGCAATGCTGTTTATTGTTTGTATGATACAGAGCTGTACAAAA
 ACTTACAATGAACATATTTGTAGCTTAGTGATCTCCACGTACATAAAGGGACATATTAATACTGGTTGA
 CTTGTAATTTGATACTCATGCCGATGTAGTAGATAGACCCCATGCTCCCACCTGCTTATGTGTTGCTCAC
 ACTGTGTGTGATTTGCTCTTCTGTTAAGCAGCACCTATGTCAACAGTACATATTCAGATGTGTTGAGCA
 CTCCAGGTGTAGTCAGTAGGAAGTTCTTTTACTGAGTACCGTTTTAATTTATAGACTGCCACGGCCTTAA
 GAACATTTCTGGACAGATAACTGCACCATGTTGCACAGGCACTACTTGTCTCTCCATTCTCATTCTTACT
 GAGTAGGACCTGGGCTGGAAAGTTCTCTTCTTATTACGGAGGCAGGTTGCACTCTTCTGAATTTGGATG
 GGTGGTTTGAATAAAGGGATATTTAAACTTTGCTCCTGTAGCCCGACATGACTAATGGTCACTGTGCCTA
 AAAGGAGGGATTGGAACCAGAATGTTAACTAAGCGGGGACTGCATAAGTTCTTGTTAATTGACCTATGG
 AAACCTTAATTTGTTTATGTGCTTTCCATTGCTTTCCAGCATTCAGGACATCTAAAAGCTACTACCAA
 CATTTTCTGTGCATAACCTCTGCATGTGAAAACCTAACAGTTACTGAACTTTGTAATACGTAATTTT
 TTATTTAGGTGTGGATGCATTTTTTGTCTGTTTACTGCTCCTCTCAGCTTTATTCAATAAACTTGCATTT
 TGAGGGTTGCATTGACAATTTTACCTTAAAATGTATCATGATGGAAAGACGCAGACCTTTGGACTCGAGT
 GGGAAAGATAATCACTCTGAAAAGGCTCCACAGACTGTGCTGGAAGGTGGCTGCCTCAGCTGGCCGAGGT
 GTTGATGGGATGAACTAGAAAATAAACTTTTACAGTGTCTAAAAAAAAAAAAAAAAAAAA

Restriction Sites: RsrII-NotI
ACCN: NM_026011
Insert Size: 561 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:	BC013719 , AAH13719
RefSeq Size:	2856 bp
RefSeq ORF:	561 bp
Locus ID:	67166
UniProt ID:	Q9CQW2
Cytogenetics:	6 E2
Gene Summary:	Plays a role in lysosome motility (PubMed:30174114). In neurons, mediates the anterograde axonal long-range transport of presynaptic lysosome-related vesicles required for presynaptic biogenesis and synaptic function (PubMed:30174114). May play a role in chromosome segregation (By similarity).[UniProtKB/Swiss-Prot Function]