

Product datasheet for **RN202991**

Arl8b (NM_001024332) Rat Untagged Clone

Product data:

Product Type: Expression Plasmids
Product Name: Arl8b (NM_001024332) Rat Untagged Clone
Tag: Tag Free
Symbol: Arl8b
Vector: pCMV6-Entry (PS100001)
E. coli Selection: Kanamycin (25 ug/mL)
Cell Selection: Neomycin
Fully Sequenced ORF: >RN202991 representing NM_001024332
Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGGATCGCC**

ATGCTGGCGCTCATCTCCCGCTGCTGGACTGGTTCGCTCGCTCTTCTGGAAGGAGGAGATGGAAGTGA
CGCTGGTGGGGCTGCAGTACTCTGGCAAGACCCTTTCGTCGAATGTCATCGCGTCTGGTCAATTCAGTGA
AGATATGATACCCACCGTGGCTTCAACATGAGGAAAGTAACTAAAGGTAAAGTCAACAAAGATCTGG
GACATAGGAGGGCAGCCCGGTTCCGGAGCATGTGGGAGCGGTATTGAGAGGCGTCAATGCAATTGTTT
ACATGATAGATGCTGCAGATCGAGAAAAGATAGAAGCCTCTCGAAATGAACTGCACAATCTTCTAGATA
GCCACAGTTACAAGGAATCCCAGTACTAGTACTTGGAAACAAGAGAGATCTTCAAATGCCTTGGATGAG
AAACAGCTAATTGAAAAAATGAACCTGTCTGCTATTCAAGATAGAGAAATTTGCTGCTATTCAATTTCTT
GCAAAGAAAAGGATAATATAGATATCACACTTCAGTGGCTTATTCAACACTCAAATCCCGGAGAAGCTG
A

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites: SgfI-MluI
ACCN: NM_001024332
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).



[View online »](#)

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:	<u>NM_001024332.1, NP_001019503.1</u>
RefSeq Size:	2770 bp
RefSeq ORF:	561 bp
Locus ID:	500282
UniProt ID:	<u>Q66HA6</u>
Cytogenetics:	4q41
Gene Summary:	Plays a role in lysosome motility (By similarity). 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 (By similarity).[UniProtKB/Swiss-Prot Function]