

Product datasheet for **SC108118**

ARL8A (NM_138795) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	ARL8A (NM_138795) Human Untagged Clone
Tag:	Tag Free
Symbol:	ARL8A
Synonyms:	ARL10B; GIE2
Mammalian Cell Selection:	None
Vector:	<u>pCMV6-XL4</u>
E. coli Selection:	Ampicillin (100 ug/mL)
Fully Sequenced ORF:	>NCBI ORF sequence for NM_138795, the custom clone sequence may differ by one or more nucleotides

ATGATCGCTTTGTTCAACAAGCTGCTGGACTGGTTCAAGGCCCTATTCTGGAAGGAGGAGATGGAGCTCA
CGCTGGTCGGGCTTCAGTACTCGGGCAAGACCACCTTCGTCAACGTGATCGCGTCAGGACAGTTCAACGA
GGACATGATCCCCACCGTGGGTTTCAACATGCGCAAAATCACAAAGGGAATGTGACTATCAAGCTCTGG
GACATTGGGGGACAGCCGCTTTCCGCAGCATGTGGGAGCGCTACTGCCGAGGAGTGAGCGCCATCGTGT
ACATGGTGGATGCTGCTGACCAGGAGAAGATTGAGGCCTCTAAGAACGAGCTCCACAACCTACTGGACAA
ACCTCAGCTGCAGGGCATCCCGGTCTTAGTCCTGGGTAACAAGCGAGACCTTCGGGAGCATTGGATGAG
AAGGAGCTGATTGAGAAAATGAATCTGTCTGCCATCCAGGACCGAGAGATCTGCTGCTACTCCATCTCTT
GCAAAGAAAAGGACAACATTGACATCACCTACAGTGGCTTATTCAACACTCGAAGTCACGGAAGCTG
A



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5' Read Nucleotide Sequence:	>OriGene 5' read for NM_138795 unedited <pre> GTTCGGATTTTGTAAACGACTTCACTATAGGGCGGCCGCAATTCGCACCAGGCGGGAC CCGGGGCGTACCGGGGAGGGGCCGCTCCGGGCCGAGCGCGAGGGCAGCGAGGGGCGGCG GGGACCTGGCACCAGGGCGGGGCCGCGGCGAGCGACCATGATCGCTTTGTTCAACAAGCTG CTGGACTGGTTCAAGGCCCTATTCTGGAAGGAGGAGATGGAGCTCACGCTGGTCGGGCTT CAGTACTCGGGCAAGACCACCTTCGTCAACGTGATCGCGTCAGGACAGTTCAACGAGGAC ATGATCCCCACCGTGGGTTTCAACATGCGCAAAATCACCAGGGAATGTGACTATCAAG CTCTGGGACATTGGGGGACAGCCGCTTTCCGCAGCATGTGGGAGCGCTACTGCCGAGGA GTGAGCGCCATCGTGACATGGTGGATGCTGCTGACCAGGAGAAGATTGAGGCCTCTAAG AACGAGCTCCACAACCTACTGGACAAACCTCAGCTGCAGGGCATCCCGGTCTTAGTCCTG GGTAACAAGCGAGACCTTCCGGGAGCTTTGGATGAGAAGGAGCTGATTGAGAAAATGAAT CTGTCTGCCATCCAGGACCGAGAGATCTGCTGCTACTCCATCTCTGCNAAGAAAGGACA ACATTGACATCACCTACAGTGGCTTATTCAACACTCGAAGTCACGGAGAAGCTGAGACT NCAGCCCTTCTCCCTCAGACCAAGGACCGTCATCATCTAAACCTGAGCCCCGACTTCCCC GGCCACCCTGTCTGCCCTTAGCCACCCCTCTACCCAGTGTGAGGAAGCCCTTGG GGACCCCAAAGCCTGTCTGCTGGAGTTCGACTCCTGTTTTATGGTAAATAAATTGCCCCC CATCTTGGTCCCTTACTTTTACCTTTCCCGGTGGCTTTGTTTATTACCCAG </pre>
Restriction Sites:	NotI-NotI
ACCN:	NM_138795
Insert Size:	1750 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:	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_138795.2 , NP_620150.1
RefSeq Size:	2345 bp
RefSeq ORF:	561 bp
Locus ID:	127829
UniProt ID:	Q96BM9
Cytogenetics:	1q32.1
Domains:	RAB, SAR, ARF, arf

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]
Transcript Variant: This variant (1) represents the longer transcript and encodes the longer isoform (1).