

Product datasheet for SC322460

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:	Neomycin
Vector:	pCMV6-AC (PS100020)
E. coli Selection:	Ampicillin (100 ug/mL)
Fully Sequenced ORF:	<p>>OriGene sequence for SC322460</p> <p>CGGGACCCGGGCGGTACCGGGGAGGGCCGCTCCGGGCCGCGAGGCGAGGGCAGCGAGGG GCGGCGGGGACCTGGCACCGGGCGGGGCCGCGCAGCGACCATGATCGCTTTGTCAAC AAGCTGCTGGACTGGTTCAAGGCCCTATTCTGGAAGGAGGAGATGGAGCTCACGCTGGTC GGGCTTCAGTACTCGGGCAAGACCACCTTCGTCAACGTGATCGCGTCAGGACAGTTCAAC GAGGACATGATCCCCACCGTGGGTTTCAACATGCGCAAAATCACCAAAGGGAATGTGACT ATCAAGCTCTGGGACATTGGGGGACAGCCGCTTCCGCGAGCATGTGGGAGCGCTACTGC CGAGGAGTGAGCGCCATCGTGTACATGGTGGATGCTGCTGACCAGGAGAAGATTGAGGCC TCTAAGAACGAGCTCCACAACCTACTGGACAAACCTCAGCTGCAGGGCATCCCGGTCTTA GTCCTGGGTAACAAGCGAGACCTTCCGGGAGCATTGGATGAGAAGGAGCTGATTGAGAAA ATGAATCTGTCTGCCATCCAGGACCGAGAGATCTGCTGCTACTCCATCTCTTGCAAAGAA AAGGACAACATTGACATACCCCTACAGTGGCTTATTCAAACTCGAAGTCACGGAGAAGC TGAGACTCCAGCCCTTCTCCCTCAGACCAGGGACCGTCATCATCTAAACCTGAAGCCGAG CTCCCCCGCCACCCCTGTCTGCTCCCTAAGCCACCCCTCCTACCCAGTGTGAGGAGGG CCCTCTGGGGACCCAGAGTCTGTTCTGCTGAGGTTTGAACCTCCTGTTTTATTGTAA ATAAATTGCCCCCATTTCTGGTCCCTAAAAAAAAAAAAAAAAAAAA</p>
Restriction Sites:	Please inquire
ACCN:	NM_138795
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).


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OTI Annotation:	This TrueClone is provided through our Custom Cloning Process that includes sub-cloning into OriGene's pCMV6 vector and full sequencing to provide a non-variant match to the expected reference without frameshifts, and is delivered as lyophilized plasmid DNA.
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_138795.2, NP_620150.1</u>
RefSeq Size:	2345 bp
RefSeq ORF:	561 bp
Locus ID:	127829
UniProt ID:	<u>Q96BM9</u>
Cytogenetics:	1q32.1
Domains:	RAB, SAR, ARF, arf
Gene Summary:	<p>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]</p> <p>Transcript Variant: This variant (1) represents the longer transcript and encodes the longer isoform (1).</p>