

Product datasheet for **SC308320**

ARL9 (NM_206919) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	ARL9 (NM_206919) Human Untagged Clone
Tag:	Tag Free
Symbol:	ARL9
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Fully Sequenced ORF:	>SC308320 representing NM_206919. Blue=Insert sequence Red=Cloning site Green=Tag(s)

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GCTCGTTTAGTGAACCGTCAGAATTTTGTAAACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTG
GATCCGGTACCGAGGAGATCTGCCGCCGCGATCGCC
ATGGAGTTCCTGGAGATTGGTGGCAGTAAACCTTTTCGGTCTACTGGGAAATGTACCTATCCAAGGGA
TTGCTGCTGATCTTTGTGGTGGATTGAGCAGATCACAGCCGATTACCTGAAGCCAAGAAATACCTTCAT
CAGCTAATTGCAGCAAACCCAGTACTTCTCTGGTTGTGTTTGC AAACAAACAGGATCTTGAAGCAGCC
TATCACATTACAGATATCCATGAAGCTTTGGCATTATCTGAAGTGGGAAATGACAGGAAGATGTTCTTG
TTTGAACCTACCTGACTAAGAATGGCTCAGAGATACCCTCCACCATGCAAGATGCCAAAGACTTGATT
GCACAGCTGGCTGCAGATGTGCAGTGA
ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGAT
TACAAGGATGACGACGATAAGGTTTAAACGGCCGGC
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Restriction Sites:	SgfI-MluI
ACCN:	NM_206919
Insert Size:	372 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).
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.



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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_206919.1</u>
RefSeq Size:	836 bp
RefSeq ORF:	372 bp
Locus ID:	132946
UniProt ID:	<u>Q6T311</u>
Cytogenetics:	4q12
MW:	13.8 kDa
Gene Summary:	<p>ARL9 is a member of the small GTPase protein family with a high degree of similarity to ARF (MIM 103180) proteins of the RAS superfamily.[supplied by OMIM, Nov 2008]</p> <p>Transcript Variant: This variant (2) differs in the 5' UTR and coding sequence compared to variant 1. The resulting isoform (2) is shorter at the N-terminus compared to isoform 1.</p> <p>Sequence Note: The RefSeq transcript and protein were derived from genomic sequence to make the sequence consistent with the reference genome assembly. The genomic coordinates used for the transcript record were based on alignments.</p>