

## Product datasheet for SC322200

### ARL5A (NM\_001037174) Human Untagged Clone

#### Product data:

**Product Type:** Expression Plasmids  
**Product Name:** ARL5A (NM\_001037174) Human Untagged Clone  
**Tag:** Tag Free  
**Symbol:** ARL5A  
**Synonyms:** ARFLP5; ARL5  
**Mammalian Cell Selection:** Neomycin  
**Vector:** pCMV6-AC (PS100020)  
**E. coli Selection:** Ampicillin (100 ug/mL)

**Fully Sequenced ORF:** >OriGene sequence for SC322200  
 GCGGCGGCATGTCCGCGAGCCAGGCGAGTGCCGCGGCGGCAGCGCGGGCCTTGC  
 CGCAGGGCGGCCTGGCTTCGGCTCCCTCCGTTCCCTGGAAGCGGGCCCGACCG  
 CGCGGGAGCAGCAGCAGAGGCGGAGGCTCCAGCGCGTCTCTCTCCCTCAGCCTGA  
 GCCGGGGGAAGCCAGGCGGCCGGGTGTCTGGAGGGGGGGGGTCCGCTGCCCGAGAATG  
 GGAATTCTCTTACTAGAAATATGGAGACTGTTCAATCACCAGGAGCACAAAGTTATCATT  
 GTTGGGCTGGATAATGCAGGGAAAACCTACCATTCTTACCAATTTTCTATGAATGAAGTT  
 GTACATACATCTCCTACAATAGGAAGTAATGTAGAAGAGATAGTGATTAATAACACGT  
 TTCCTAATGTGGGATATTGGTGGCCAAGAATCTCTTCGTTCTTCTGGAACACTTACTAT  
 ACTAACACAGAGTTTGAATAGTTGTTGTGGACAGTACAGACAGAGAGAGGATTTCTGTA  
 ACTAGAGAAGAAGCTCTATAAAAATGTTAGCGCATGAGGACCTAAGAAAAGCTGGATTGCTG  
 ATTTTTGCTAATAAACAAGATGTTAAAGAATGCATGACTGTAGCAGAAATCTCCAGTTT  
 TTGAAGCTAAGTTCTATTAAGATCACCAGTGGCATATCCAGGCATGCTGTGCTCTAACT  
 GGCGAGGGATTGTCCAAGGACTTGAATGGATGATGTCACGACTTAAGATTAGATGATCT  
 CTACTGACCTCTTCTCATAGATTTTGTATAAATGAAGTGTGGACTTTACCTGAAAGCTG  
 CAAAAATTAAGGTTTAGATATATTTATAAATAAAGTATTAAGTAACTTTTCTATAAGAAG  
 AAAAATTAAGACCACTTATTTGAAAACAAAGATGAAGTCTCACCTCCAGTTTGCCTTCT  
 CATTAGTTTTTTCCAAAGTAAGTTATTGAAGCTGTGATTGACATTTTCTCATAATGAAT  
 CCTCTCAGGACATTGTGAGCCTATGGTAAGTACAAAGGGAGAGGAAGACATTTGAATT  
 TTAAGAGCTTTATTATCAGTTTAAACCCTCCCTAGTTGAATGTTATTTTCTTGTGCCA  
 TTAAGTCAGAATACAAATCAGCACAGATATTCGAATGTTTCCAATATTTAAAAATGTAAT  
 GTTACTTATGAAAAGTATTTGCTTAAGTTGTGTGTGATTGTGTATATACCTCAAGTT  
 CAAGTTAATGGCATTGATTTATGTTCCAGACAAAAATAACACAAATAAATATCCTTCG  
 TTATAACCACAATGAGATAAGTATTGGCATTAGTGTTCCAGTGCCATTTTATACTTTCTCT  
 CTGTGTTCTGTATTGTACTAACCAACCTCCCAAATCGCTGAGCTGCTGTTTAAAAAA  
 AAAAAAAAAAAAAA



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<b>Restriction Sites:</b>	Please inquire
<b>ACCN:</b>	NM_001037174
<b>OTI Disclaimer:</b>	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).
<b>OTI Annotation:</b>	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.
<b>Components:</b>	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).
<b>Reconstitution Method:</b>	<ol style="list-style-type: none"> <li>1. Centrifuge at 5,000xg for 5min.</li> <li>2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA.</li> <li>3. Close the tube and incubate for 10 minutes at room temperature.</li> <li>4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom.</li> <li>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.</li> </ol>
<b>RefSeq:</b>	<u><a href="#">NM_001037174.1</a></u> , <u><a href="#">NP_001032251.1</a></u>
<b>RefSeq Size:</b>	2913 bp
<b>RefSeq ORF:</b>	429 bp
<b>Locus ID:</b>	26225
<b>UniProt ID:</b>	<u><a href="#">Q9Y689</a></u>
<b>Cytogenetics:</b>	2q23.3
<b>Gene Summary:</b>	<p>The protein encoded by this gene belongs to the ARF family of GTP-binding proteins. With its distinctive nuclear/nucleolar localization and interaction with HP1 alpha, the protein is developmentally regulated and may play a role(s) in nuclear dynamics and/or signaling cascades during embryonic development. Alternative splicing results in multiple transcript variants encoding different isoforms. This gene has multiple pseudogenes. [provided by RefSeq, Jul 2008]</p> <p>Transcript Variant: This variant (3) lacks alternate segments in the 5' UTR and coding region compared to variant 1, resulting in a shorter isoform (2) compared to isoform 1. Variants 2 and 3 encode the same isoform (2).</p>