

Product datasheet for **SC110363**

ARL5A (NM_177985) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	ARL5A (NM_177985) Human Untagged Clone
Tag:	Tag Free
Symbol:	ARL5A
Synonyms:	ARFLP5; ARL5
Mammalian Cell Selection:	None
Vector:	<u>pCMV6-XL4</u>
E. coli Selection:	Ampicillin (100 ug/mL)
Fully Sequenced ORF:	>NCBI ORF sequence for NM_177985, the custom clone sequence may differ by one or more nucleotides

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ATGAATGAAGTTGTACATACATCTCCTACAATAGGAAGTAATGTAGAAGAGATAGTGATTAATAATACAC
GTTTCCTAATGTGGGATATTGGTGGCCAAGAATCTCTTCGTTCTTCTGGAACTTACTATACTAACAC
AGAGTTTGTAAATAGTTGTTGTGGACAGTACAGACAGAGAGAGGATTTCTGTAAGTAAAGAACTCTAT
AAAATGTTAGCGCATGAGGACCTAAGAAAAGCTGGATTGCTGATTTTTGCTAATAAACAAGATGTTAAAG
AATGCATGACTGTAGCAGAAATCTCCAGTTTTGAAGCTAACTTCTATTAAGATCACCAGTGGCATAT
CCAGGCATGCTGTGCTCTAACTGGCGAGGGATTGTCCAAGGACTTGAATGGATGATGTCACGACTTAAG
ATTAGATGA
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5' Read Nucleotide Sequence:	>OriGene 5' read for NM_177985 unedited GGGGGCANNNNCCTTCCAACCCNNNGGTTTAGAATTGTAACGACTCACTATAGGCGGC CGCGATTCCGGCACGAGGCGAGGCTCGTCGCAAAAACGCGGCGGCGATGTCCGCGAGCCAG AGCACAAAGTTATCATTGTTGGGCTGGATAATGCAGGGCAAACTACCATTCTTTACCAA TTTTCTATGAATGAAGTTGTACATACATCTCCTACAATAGGAAGTAATGTAGAAGAGATA GTGATTAATAATACACGTTTCCTAATGTGGGATATTGGTGGCCAAGAATCTCTTCGTTCT TCCTGGAACACTTACTATACTAACACAGATTTGTAATAGTTGTTGTGGACAGTACAGAC AGAGAGAGGATTCTGTAAGTAGAGAAGAACTCTATAAAATGTTAGCGCATGAGGACCTA AGAAAAGCTGGATTGCTGATTTTTGCTAATAAAACAAGATGTTAAAGAATGCATGACTGTA GCAGAGATCTCCAGTTTTGAAGCTAACTTCTATTAAAGATCACCAGTGGCATATCCAG GCATGCTGTGCTCTAACTGGGCGAGGATTGTGCCAAGGACTTGAATGGATGATGTCACGA CTTAAGATTAGATGATCTCTACTGACCTCTTCTCATAGATTNTGTATAAATGAAGTGCTG GACTTTACCTGAAAGCTGCAAAAATAATGGTTTAGATATATTTATAATAAACTGATTTAA ACTTTTTCTATAGAAGAAAAATTTAGCACCACTATTTGAAAACCAAGATGAAGTCTCA CCTTCCAGNNTTGCTTCTCATTAGTTNTTCCAAAGTAGTAATTGAAGCTGGGATTGACA TTTTCTCATAATGATCCTCTCAGACAATGGGAACCTATTGTAGTCAAAGGAAAGGAGAAT TTTGATTTAAAAGCTATTTTAAAGTTACCCTCTATTGAAGGTATTTCTTCTGTCCATAA GCCCAATCCATCCGCACAATTTCAATGTTCCAATTTTAAATGTATGCCTTAGAAAGATT T
Restriction Sites:	NotI-NotI
ACCN:	NM_177985
Insert Size:	5000 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:	<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_177985.1</u> , <u>NP_817114.1</u>
RefSeq Size:	2911 bp
RefSeq ORF:	510 bp
Locus ID:	26225
UniProt ID:	<u>Q9Y689</u>
Cytogenetics:	2q23.3

Gene Summary:

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]

Transcript Variant: This variant (2) lacks an alternate segment 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).