

Product datasheet for **SC324612**

ARL5B (NM_178815) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	ARL5B (NM_178815) Human Untagged Clone
Tag:	Tag Free
Symbol:	ARL5B
Synonyms:	ARL8
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC (PS100020)
E. coli Selection:	Ampicillin (100 ug/mL)

Fully Sequenced ORF: >OriGene sequence for NM_178815.3
 GGGGGACTACGGGTCGGCGTTGGGCTCAGTGGGCTCGAAACAAAGGGCTGTCCGGTGGG
 ATTCGTCGCGGCCCTTCTGAGTGGTTCGGGTCGAGGCTTCTCGGCCTAGCAGTGCCTCG
 CTGCGCGATCTCAGGCGGGTTCCTCGGCTCCGCGCAGCCCGCGCCGCGGTGGGGGACC
 CGGCGCAGCGGCACCTGTGCCGAGGGACCCCGCGGCCCGCCCGGTGCTCGTGATGGGG
 CTGATCTTCGCCAACTGTGGAGCCTTCTGTAAACCAAGAACACAAAGTAATTATAGTG
 GGACTGGATAATGCAGGGAAAACCACCATTCTTTACCAATTCTTAATGAATGAAGTGTT
 CATACTTCTCAACCATAGGAAGCAATGTTGAAGAAATAGTTGTGAAGAACTCATTCTT
 CTTATGTGGGATATTGGTGGTCCAGGAGTCTCTGCGATCATCTGGAACACATATTACTCA
 AATACAGAGTTCATCATTCTTGTGTTGATAGCATTGACAGGGAACGACTAGCTATTACA
 AAAGAAGAATTATACAGAATGTTGGCTCATGAGGATTTACGGAAGGCTGCAGTCCTTATC
 TTTGCAAATAAACAGGATATGAAAGGGTGTATGACAGCAGCTGAAATCTCGAAATACCTC
 ACCCTTAGTTCAATTAAGGATCATCCATGGCACATTCAATCCTGTGTGCTCTCACAGGA
 GAAGGGTTATGCCAAGGTCTAGAGTGGATGACCTCCCGGATTGGTGTGAGATAACTTTTT
 TGCTTGAAAGAGACTGCTCTATTTATTCTGTGACATGAACATTTTTCTAGTACCTTTG
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 AATCAAGTGCAGCTGAACTGGAACATAAAAAGATTTTTCTTAACATTTTTTTTTTAACAC
 ACTAATCTTCAGTTGGATGAATGTAATGTATAACTATGTTTTTCAGCAACAATTCTTCTGT
 TTATTCTAATTAATCAGTGACTGCCTTGAAGAAATGTTTGCATATGCGTGATGCTTC
 TGAAATATTCTTATAACCTTAATGACCAATTGCTTTCAATTCTTGACCAGCACTCCCTCC
 CAACCAGAGAATTACTGTTTGTAGAGTAGTCTTGAAAAGCATCAGGACTGCCTGCAG
 ACTTCTCCAGCACTAAATATATTTGTTCCCTCTATAAACCATTCATCTTTCGGACAGAAC
 TTAAGTAAAGAAAGAAATCTGCCTAGAGGATATATGTAAGGAAGATTCCACATCATGAG
 TACTTGCCTTTAACTTTCCCCACATTACTGTTGAGTCATGGAATAATGTTTAAGTTGT
 TATTTGCATGAAATTAAGTAGGCTGTTATTTATCTAAAGGAATCAAGTCCACTCTTCT
 GCCTGCAACATTTGTTCAAAAACAAACCAAGGTAATAATTTATTTGAAAGCCCACTTT
 GATGTTAAATATTCTTGAATAAACTGTTATTTAAGAATATCACATTATTCAATGCATA



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TAAAACATCAGAAGTTAGTAAATCATACCAGCACTAAAAATAAGACAATTGGAATATAT
 TTTAGCATCAGTTTACAAACAACCTTTATTATCAACAGAAAATTTAGCTCTTTTCTTTGCA
 AGATATATCACAGCTGCTTTGGGCAGTAGCTGAAGCCGAAGTATGAACAGTCCATTTTGT
 TTCTTAAAATTTGAAGTCGTGTCTGTATAGCATTTTACTACCAGCAGTATGTTACTTA
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 TCCTAGCTTTTAGAATATTAATAGGAGACTCAAAGTTAATATTCTTAACAACCTTAAAT
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 AGTGTCTGATTTCGATTCTGTTTATTCAAATGTGTGATTTTGGTGAATGAAAGGGATAA
 AATGAATACTTAGAGAATAATACTTCATTTTGCAGTACTTTTTAATTTTGATAAAAAAG
 ATACAAAGTTCATAATATCAAAATATGTGTTCAAAATTGGTATTTAATTTAATATTTT
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 AGTTAATTTAGTCGAATGTGGTAACATTTTCTGATTTATCTTTAGTTGGAGCACACCT
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 CTGCCTTCTTGTATCTAGTAAGATTGGCTGGCTCAATTTCTTCTGTCAAATTATATGGT
 TATTTTTTATATTACCACATCAGCATTATATTAAGTGTTTTTAATAGTTGATTGTATT
 TTGCCAAGTACTAGTATAGACTCAAATTTGCTATTTAATTTTTTAAATACAATTTATTT
 GTAAATCCTTTAAAAAATATTTGGTTAGTTTTGGATTAGAAATGATTTATGTTAGCCATG
 TGTGAAGATGAAATTGGCATCAGTGTAGACGGTGTGATTGGGAAAAGTTCATGATTAG
 GAAATTCATGTAAGACTTTTTAAGAGTATTTTTAGGTTTTCACTCAATCTTTCCTGTTA
 CAGTAACGTGAAAAGTATTCTTTACTCCAAGAGAATGTTTTAACCCAAGCAAGTAT
 CTAATACTAGAGCATTGGTTCTGACATTCATTGTAATCAGTGAAGTGAAGTACTGTC
 TAAAAATGTACATTTGTAATTAGTGCCTTTATTCATATTTGAAATAAGTTCTTAGTTT
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 TTTGTGTTTTATATCCCTTCCACCTCCATGTATTGGTTAGCACAGTTTATAGTAAAGTGA
 AAAGCAAGGGACCCACCTACATTACCTTCAAGGAGACTGTTCTACCTTTAATTTGAAAAC
 AAGGAAATTAATTTTAAACAGAAATCTTTAAGTATGTTATAACCAAAGTGTCAATTAT
 CCTTGCAAGTTCAAATACAGCATTTTTCTAAAAAAAAAAAAAAAAAAAAAAAAAAAAA

- Restriction Sites:** Please inquire
- ACCN:** NM_178815
- 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.
- 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_178815.3](#), [NP_848930.1](#)

RefSeq Size: 3589 bp

RefSeq ORF: 540 bp

Locus ID: 221079

UniProt ID: [Q96KC2](#)

Cytogenetics: 10p12.31

Gene Summary: ARL5B (ARL8) belongs to a family of proteins that are structurally similar to ADP-ribosylation factors (ARFs; see MIM 103180). ARLs and ARFs are part of the RAS superfamily of regulatory GTPases.[supplied by OMIM, Nov 2010]