

Product datasheet for **SC107235**

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:	None
Vector:	<u>pCMV6-XL4</u>
E. coli Selection:	Ampicillin (100 ug/mL)
Fully Sequenced ORF:	>OriGene ORF within SC107235 sequence for NM_178815 edited (data generated by NextGen Sequencing)

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ATGGGGCTGATCTTCGCCAACTGTGGAGCCTCTTCTGTAACCAAGAACACAAAGTAATT
ATAGTGGGACTGGATAATGCAGGAAAACCACCATCTTTACCAATTCTTAATGAATGAA
GTGGTTCATACTTCTCCAACCATAGGAAGCAATGTTGAAGAAATAGTTGTGAAGAACACT
CATTTTCTTATGTGGGATATTGGTGGTCAGGAGTCTCTGCGATCATCCTGGAACACATAT
TACTCAAATACAGAGTTCATCATTCTTGTGTTGATAGCATTGACAGGGAACGACTAGCT
ATTACAAAAGAAGAATTATACAGAATGTTGGCTCATGAGGATTTACGGAAGGCTGCAGTC
CTTATCTTTGCAAATAAACAGGATATGAAAGGGTGTATGACAGCAGCTGAAATCTCGAAA
TACCTCACCTTAGTTCAATTAAGGATCATCCATGGCACATTCAATCCTGCTGTGCTCTC
ACAGGAGAAGGGTTATGCCAAGGTCTAGAGTGGATGACCTCCCGATTGGTGTGAGATAA
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Clone variation with respect to NM_178815.3



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5' Read Nucleotide Sequence:	>OriGene 5' read for NM_178815 unedited CGTATTCGGCACGAGGGTTGGGCTCAGTGGGCTCGAACAAAGGCTGTCCGGTGGGGATTC GTCGCGGCCTTCTGAGTGGTCCGGTCCGAGGCTTCTCGGCTAGCAGTGCCCTCGCTGC GCGATCTCAGGCGGGTCTCCTCGGCTCCGCGCAGCCCGCGCCGGTGGGGACCCGGC GCAGCGGCACCTGCTGCCGAGGGACCCCGCGCCCGCCCGGTGCTCGTGATGGGGCTGA TCTTCGCCAACTGTGGAGCCTTCTGTAACCAAGAACAAGTAATTATAGTGGGAC TGGATAATGCAGGAAAACCACCATTCTTACCAATTCTTAATGAATGAAGTGGTTCATA CTTCTCCAACCATAGGAAGCAATGTTGAAGAAATAGTTGTGAAGAACAACACTATTTCTTA TGTGGGATATTGGTGGTCCAGGAGTCTCTGCGATATCCTGGAACACATATTACTCAAATA CAGAGTTCATCATTCTTGTGTTGATAGCATTGACAGGGAACGACTAGCTATTACAAAAG AAGAATTATACAGAATGTTGGCTCATGAGGATTTACGGAAGGCTGCAGTCCTTATCTTTG CAAATAAACAGGATATGAAAGGGTGTATGACAGCAGCTGAAATCTCGAAATACCTCACCC TTAGTTCAATTAAGGATCATCCATGGCACATTCAATCCTGCTGTGCTCTCACGGAGAAGG GTTATGCCAAGGCTAGAGTGGATGACCTCCCGATTGGTGTGAGATAACTTTTTTGCTT GAAAGAGACTGCTCTATTTATTCTGTGACATGAACATTNTTCTAGTACCTTTGGCTGC NTAGGCAGCAGCATGGTTAAATTNATACAACACAAACTCTGAA
Restriction Sites:	NotI-NotI
ACCN:	NM_178815
Insert Size:	6000 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:	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]