

Product datasheet for **SC115548**

ARL2BP (NM_012106) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	ARL2BP (NM_012106) Human Untagged Clone
Tag:	Tag Free
Symbol:	ARL2BP
Synonyms:	BART; BART1; RP66
Mammalian Cell Selection:	None
Vector:	<u>pCMV6-XL5</u>
E. coli Selection:	Ampicillin (100 ug/mL)
Fully Sequenced ORF:	>OriGene ORF within SC115548 sequence for NM_012106 edited (data generated by NextGen Sequencing)

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ATGGACGCCTTAGAAGGAGAGAGCTTTGCGCTGTCTTTCTCCTCCGCCTCTGATGCAGAA  
TTTGATGCTGTGGTTGGATATTTAGAGGACATTATCATGGATGACGAGTTCCAGTTATTA  
CAGAGAAATTTTCATGGACAAGTACTACCTGGAGTTTGAAGACACAGAAGAGAATAAACTC  
ATCTACACACCTATTTTTAATGAATACATTTCTTTGGTAGAAAAATACATTGAAGAACAG  
CTGCTGCAGCGGATTCCTGAGTTCAACATGGCAGCCTTCACCACAACATTACAGCACCAT  
AAGGATGAAGTGGCTGGTGACATATTCGACATGCTGCTCACCTTCACAGATTTTCTGGCT  
TTTAAAGAAATGTTTTGGACTACAGAGCAGAAAAAGAAGGCCGAGGACTGGACTTAAGC  
AGTGGCTTAGTGGTGACTTCATTGTGCAAATCATCTTCTCTGCCAGCTTCCCAGAACAAT  
CTGCGGCACTAG
```

Clone variation with respect to NM_012106.3



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5' Read Nucleotide Sequence:

>OriGene 5' read for NM_012106 unedited
 ATTTGTATACGACTCACTATAGGCGGCCGCGATTTCGGCACGAGGCTCGGGGCGACTGCGA
 TGGACGCCTTAGAAGGAGAGAGCTTTGCGCTGTCTTTCTCCTCCGCTCTGATGCAGAAT
 TTGATGCTGTGGTTGGATATTTAGAGGACATTATCATGGATGACGAGTCCAGTTATTAC
 AGAGAAATTTTCATGGACAAGTACTACCTGGAGTTTGAAGACACAGAAGAGATAAACTCA
 TCTACACACCTATTTTTAATGAATACATTTCTTTGGTAGAAAAATACATTGAAGAACAGC
 TGCTGCAGCGGATTCTGAGTTCAACATGGCAGCCTTCACCACAACATTACAGCACCATA
 AGGATGAAGTGGCTGGTGACATATTCGACATGCTGCTCACCTTCACAGATTTTCTGGCTT
 TTAAGAAATGTTTTGGACTACAGAGCAGAAAAAGAAGGCCGAGGACTGGACTTAAGCA
 GTGGCTTAGTGGTGACTTCATTGTGCAAATCATCTTCTCTGCCAGCTTCCAGAACAAATC
 TGCGGCACTAGGTCCTACCTCCAGCCAATGAATGGGATCATTCTGGATGTCACCAGCCCA
 ATAGGCTCAGCTCATGATGACAGAACACATCTTGGAAAGACTGACTCTGTTATGTAACTC
 TTCATTTATGTTAAGTATTAATAGGTCAAACCAAATGACCTAACCTNCTGGACCTAT
 TTATCCTGAAACACCTTCTGTATTCTTAACCATAGTACTCCCTCCACCTCAAGTAGA
 CACCTCTCTCAGNAGCTTCTGAGTCAGACGCCTCTGGAGCGAGCCCTTGTGAGGCACTCA
 CCTGNGGGGCCCTTNCCACATACTGCTGTGTGTAAGTGTGC

3' Read Nucleotide Sequence:

>OriGene 3' read for NM_012106 unedited
 GGACCGCGGCCGCAATCTAGAGTCGAGTTTTTTTTTTTTTTTTTTTCAAAAATATGCTTAA
 AAAAACTTCTAGAAACAGTGGGACTACATCAGGACCAGAAGACAGTGACACAAGGACTG
 CAAATGTTAAGACTAGGAGTAGCTTTTTCACATGGAGCTTTTATGTAGAGGACGTCTCCTT
 CTGTTGATTCCTACAGCCGAGACAAGATGTGATCACAGGAGACTCAAAAATCTCAAAGT
 GGCTTGAGTAACACCCTAGATAAACATCAGGAACCCCACTGAGGCTGAAGTACTGAAACT
 GTGGCCCATGTGAAAAAGAGGTGCAAGTGCACAAAGATTCATGCAGAGCCTGCTGGAACA
 CAGGGTGGTGGCGCGGGTTTACTCCACACTTACACACCACCAGGTATGCTGGGGGAGGG
 CCCCCAGGTGGAGTGCCTGACATAGGGCTCGCTCCAGAGGCGTCTGACTCAGAAGCTCC
 TGAGAGAGGTGTCTACTTGAGGTGGGAGGAGTACTATGGTTAATGAATCCAAGAAGGTG
 CTCCAGGATAAATAGGCCAGGAGGGTTAGGTCACTTCTGGCTTTGACCCTATTAATACTC
 CACCTAAATGAGAAGTTACATAACAGAGCCCGCCTCTCCAAGATGGGCCCTCGCCCTC
 ATGAACCGACCCTCTTGGCCTGGGGACATCCAAAACGACCCCATTCCTTGCCTGCAGGA
 CGACACTTATCCCCAAAATGTTCTGGAAAACAGCCACAAAACACATTTTCCCCCGCAA
 CTTCCTCTGCCCCTGTCCAAACTCAACCCCGCCTCTTTTTATCTGCTCTGTGTCCAA
 AACCTCTTTTCAACCCACCTCCGCGAGGGGACCCCTTGCTAAATCCCCCCCCC

Restriction Sites:

NotI-NotI

ACCN:

NM_012106

Insert Size:

1280 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:

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_012106.3](#), [NP_036238.1](#)

RefSeq Size: 2100 bp

RefSeq ORF: 492 bp

Locus ID: 23568

UniProt ID: [Q9Y2Y0](#)

Cytogenetics: 16q13

Gene Summary: ADP-ribosylation factor (ARF)-like proteins (ARLs) comprise a functionally distinct group of the ARF family of RAS-related GTPases. The protein encoded by this gene binds to ARL2.GTP with high affinity but does not interact with ARL2.GDP, activated ARF, or RHO proteins. The lack of detectable membrane association of this protein or ARL2 upon activation of ARL2 is suggestive of actions distinct from those of the ARFs. This protein is considered to be the first ARL2-specific effector identified, due to its interaction with ARL2.GTP but lack of ARL2 GTPase-activating protein activity. [provided by RefSeq, Jul 2008]