

Product datasheet for SC112686

ARPC2 (NM_005731) Human Untagged Clone

Product data:

Product Type: Expression Plasmids
Product Name: ARPC2 (NM_005731) Human Untagged Clone
Tag: Tag Free
Symbol: ARPC2
Synonyms: ARC34; p34-Arc; PNAS-139; PRO2446
Mammalian Cell Selection: None
Vector: [pCMV6-XL5](#)
E. coli Selection: Ampicillin (100 ug/mL)

Fully Sequenced ORF: >OriGene sequence for NM_005731 edited
GAATTCGACGAGGTAGAGCCGGGGCTGGGCGGGGACCGGCTTGTCTCGGTGAAGCGGC
AGTGGCGGGCGGCGGGCGGCTCGGCAGGCGGGTTCAGGCTTCGGGGGCCAGCCCGCC
ATGATCCTGCTGGAGGTGAACAACCGCATCATCGAGGAGACGCTCGCGCTCAAGTTCGAG
AACGCGGCGCCGAAACAAACCGGAAGCAGTAGAAGTAACATTTGCAGATTTTCATGGG
GTCCTCTATCATTTTCAAATCCTAATGGAGACAAAACAAAAGTATGGTCAAGTATTTCT
TTGAAATCTACAAGGAATTCAGGCACATGGTGTGATGAGTTATTAAGAGGGTGTAC
GGGAGTTTCTGGTAAATCCAGAATCAGGATACAATGTCTCTTTGCTATATGACCTTGAA
AATCTCCGGCATCCAAGGATTCATTGTGCATCAAGCTGGCATGTTGAAGCGAAATTTGT
TTTGCCTCTGTCTTTGAAAATACTTCCAATCCAAGAAGAGGGCAAGGAAGGAGAGAAC
AGGGCAGTTATCCATTATAGGGATGATGAGACCATGTATGTTGAGTCTAAAAAGGACAGA
GTCACAGTAGTCTTCAGCACAGTGTAAAGGATGACGACGATGTGGTCATTGAAAAGGTG
TTCATGCAGGAGTTCAAAGAAGGACGCAGAGCCAGCCACACAGCCCCACAGGTCCTCTTT
AGCCACAGGGAACCTCTCTGGAGCTGAAAGACACAGACGCCGCTGTGGGTGACAACATT
GGCTACATTACCTTTGTGCTGTTCCCTCGTCACACCAATGCCAGTGTCTCGAGACAACACC
ATCAACCTGATCCACACGTTCCGGGACTACCTGCACTACCACATCAAGTGTCTAAGGCC
TATATTCACACACGTATGCGGGCGAAAACGTCTGACTTCTCAAGGTGCTGAACCGCGCA
CGCCAGATGCCGAGAAAAAAGAAATGAAAACAATCACGGGGAAGACGTTTTTCATCCCGC
TAATCTTGGGAATAAGAGGAGGAAGCGGCTGGCAACTGAAGCTGGAACACTTGCTACTG
GATAATCGTAGCTTTTAAATGTTGCGCCTTTCAGGTTCTTAAGGGATTCTCCGTTTTGGT
TCCATTTGTACACGTTTGGAAAATAATCTGCAGAAACGAGCTGTGCTTGCAAAGACTTC
ATAGTTCCAAGAATTAATAAAAAAAAAAAAAAAAAAACTCGAC



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5' Read Nucleotide Sequence:

>OriGene 5' read for NM_005731 unedited
 GACTCGGGATTTGTAACCGACTTACTTAGGGCGGCCACGCAATTCGCACGAGGTAGAGCC
 GGTGGCTGGGCGGGGACCGGGCTTGTCCGTGAAGCGGCAGTGGCGGCGGCGGGCGGCT
 CGGCAGGCGGGTTCAGGCTTCGGGGGCCAGCCCGCCATGATCCTGCTGGAGGTGAACA
 ACCGCATCATCGAGGAGACGCTCGCGCTCAAGTTCTATAACGCGGCCCGGAAACAAAC
 CGGAAGCAGTAGAAGTAACATTTGCAGATTTTCGATGGGGTCTCTATCATATTTCAAATC
 CTAATGGAGACAAAACAAAAGTGTGGTCAGTATTTCTTTGAAATCTACAAGGAACTTC
 AGGCACATGGTGCTGATGAGTTATTAAAGAGGGGTACGGGAGTTTCTTGGTAAATCCAG
 AATCAGGATACAATGTCTCTTTGTATATGACCTTGAAAACTTCCGGCATCCAAGGATT
 CCATTGTGCATCAAGCTGGCATGTTGAAGCGAAATGTTTTGCCTCTGTCTTTGAAAAAT
 ACTTCCAATTCGAAGAGGGCAAGGAAGGAGAGAACAGGGCAGTTATCCATTATAGGG
 ATGATGAGACCATGTATGTTGAGTCTAAAAAGGACAGAGTCACAGTAGTCTTCAGCACAG
 TGTTTAAGGATGACGACGATGTGGTCATTGAAAGGTGTCATGCAGGAGTTCAAAGAAG
 GACGCAGAGCCAGCCACACAGCCCCACAGGTCCTTTAGCCACAGGGAACCTCCTCTGG
 AGCTGANAGACACAGACCGCGTGTGGGTGACAACATTGCTACATTACCTTTGTGCTGTT
 TCCTCGTCACACCAATGCCAGTGCTCGAGACCACACCATCACCTGATCCACACGTTCCGG
 GACTACC

3' Read Nucleotide Sequence:

>OriGene 3' read for NM_005731 unedited
 CGCGGCACGCAATCTAGAGTCGAGTTTTTTTTTTTTTTTTTTAATTCCTGGGAATATGA
 AGTCTTTGCAAGCACAGCTCGTTTCTGCAGATTATTTCCAAACGTGTACAAAATGGAAC
 CAAAACGGAGAATCCCTTAAGAACCTGAAGAGGCGCAACATTAAGGCTACGATTATCCA
 GTAGCAAGTGTTCCAGCCTTCAGTTGCCAGCCGCTTCTCTCTTATTCCAAGATTAGC
 GGGATGAAAACGCTTCCCGGTGATTGTTTCATTTCTTTTTCTCGGCATCTGGGCGTG
 CGCGGTTCAACACCTTGAGGAAGTCAGACGTTTTCGCCCGCATACGTGTGTGAATATAGG
 CCTTAGAGCACTTGATGTGGTAGTGCAGGTAGTCCCGAACGTGTGGATCAGGTTGATGG
 TGTTGTCTCGAGCACTGGCATTGGTGTGACGAGGGAACAGCACAAAGGTAATGTAGCCAA
 TGTTGTCAACACAGCGGCGTCTGTGTCTTTAGCTCCAGAGGAGGTTCCCTGTGGCTAA
 AGAGGACCTGTGGGGCTGTGTGGCTGGCTCTGCGTCTCTTTGAACTCCTGCATGAACA
 CTTTTCCAATGACCACATCGTCGTCATCCTTAACACTGTGCTGAAGACTACTGTGACTC
 TGTCTTTTTAGACTCAACATACATGGTCTCATCATCCCTATAATGGATAACTGCCCTGT
 TCTCTCCTTCCCTTGCCCTCTTCTTGAATTGGAAGTATTTTTCAAAGAACAGAGGCAAAC
 AATTTTCGTTACATGCCAGCTTGATGCACAATGGGATCCTTGGATGCCGNAAGATTTTC
 AGGTCATATAGCANAGAACATGTATCCTGATTCTGGATTACCCAGAACTNCGTACACCTC
 TTTATAACTACAGCACATGTGCCTGAGNTCTTGTAGATTCAAGAACTGACATACTTTGT
 TT

Restriction Sites:

NotI-NotI

ACCN:

NM_005731

Insert Size:

1240 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_005731.2 , NP_005722.1
RefSeq Size:	1424 bp
RefSeq ORF:	903 bp
Locus ID:	10109
UniProt ID:	O15144
Cytogenetics:	2q35
Domains:	p34-Arc
Protein Pathways:	Fc gamma R-mediated phagocytosis, Pathogenic Escherichia coli infection, Regulation of actin cytoskeleton
Gene Summary:	<p>This gene encodes one of seven subunits of the human Arp2/3 protein complex. The Arp2/3 protein complex has been implicated in the control of actin polymerization in cells and has been conserved through evolution. The exact role of the protein encoded by this gene, the p34 subunit, has yet to be determined. Two alternatively spliced variants have been characterized to date. Additional alternatively spliced variants have been described but their full length nature has not been determined. [provided by RefSeq, Jul 2008]</p> <p>Transcript Variant: This variant (2) differs in the 5' UTR compared to variant 1. Variants 1 and 2 both encode the same protein.</p>