

## Product datasheet for **TP300319**

### ARPC2 (NM\_005731) Human Recombinant Protein

#### Product data:

Product Type:	Recombinant Proteins
Description:	Recombinant protein of human actin related protein 2/3 complex, subunit 2, 34kDa (ARPC2), transcript variant 2, 20 µg
Species:	Human
Expression Host:	HEK293T
Expression cDNA Clone or AA Sequence:	>RC200319 protein sequence <b>Red</b> =Cloning site <b>Green</b> =Tags(s)

MILLEVNNRIIEETLALKFENAAAGNKPEAVEVTFADFDGVLVYHISNPNGDKTKVMVSISLKFYKELQAH  
GADELLKRVYGSFLVNPESGYNVSLLYDLENLPASKDSIVHQAGMLKRNCFASVFEKYFQFQEEGKEGEN  
RAVIHYRDEETMYVESKKDRVTVVFSTVFKDDDDVWIGKVMQEFKEGRRASHTAPQVLFSHREPPLELK  
DTDAAVGDNIGYITFVLFPRHTNASARDNTINLIHTFRDYLYHYHIKCSKAYIHTRMRAKTSDFLKVLNRA  
RPDAEKKEMKTITGKTFSSR

**TR**TRPLEQKLISEEDLAANDILDYKDDDDKV

Tag:	C-Myc/DDK
Predicted MW:	34.2 kDa
Concentration:	>0.05 µg/µL as determined by microplate BCA method
Purity:	> 80% as determined by SDS-PAGE and Coomassie blue staining
Buffer:	25 mM Tris-HCl, 100 mM glycine, pH 7.3, 10% glycerol
Preparation:	Recombinant protein was captured through anti-DDK affinity column followed by conventional chromatography steps.
Note:	For testing in cell culture applications, please filter before use. Note that you may experience some loss of protein during the filtration process.
Storage:	Store at -80°C.
Stability:	Stable for 12 months from the date of receipt of the product under proper storage and handling conditions. Avoid repeated freeze-thaw cycles.
RefSeq:	<a href="#">NP_005722</a>
Locus ID:	10109



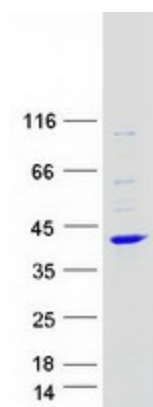
[View online »](#)

UniProt ID: [O15144](#), [Q53R19](#)  
RefSeq Size: 1419  
Cytogenetics: 2q35  
RefSeq ORF: 900  
Synonyms: ARC34; p34-Arc; PNAS-139; PRO2446

**Summary:** 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]

**Protein Pathways:** Fc gamma R-mediated phagocytosis, Pathogenic Escherichia coli infection, Regulation of actin cytoskeleton

### Product images:



Coomassie blue staining of purified ARPC2 protein (Cat# TP300319). The protein was produced from HEK293T cells transfected with ARPC2 cDNA clone (Cat# [RC200319]) using MegaTran 2.0 (Cat# [TT210002]).