

## Product datasheet for PH300319

### ARPC2 (NM\_005731) Human Mass Spec Standard

#### Product data:

Product Type:	Mass Spec Standards
Description:	ARPC2 MS Standard C13 and N15-labeled recombinant protein (NP_005722)
Species:	Human
Expression Host:	HEK293
Expression cDNA Clone or AA Sequence:	RC200319
Predicted MW:	34.3 kDa
Protein Sequence:	>RC200319 protein sequence Red=Cloning site Green=Tags(s)

MILLEVNNRIIEETLALKFENAAAGNKPEAVEVTFADFDGVLHYHISNPNGDKTKVMVISLKFYKELQAH  
GADELLKRVIYGSFLVNPESGYNVSLLYDLENLPASKDSIVHQAGMLKRNCASFVFEKYFQFQEEGKEGEN  
RAVIHYRDEETMYVESKKDRVTVVFSTVFKDDDDVVIGKVFMQEFKEGRRASHTAPQVLFSHREPPLELK  
DTDAAVGDNIGYITFVLFPRHTNASARDNTINLIHTFRDYLHYHIKCSKAYIHTMRRAKTSDFLKVLRNA  
RPDAEKKEMKTIITGKTFSSR

TRTRPLEQKLI SEEDLAANDILDYKDDDDKV

Tag:	C-Myc/DDK
Purity:	> 80% as determined by SDS-PAGE and Coomassie blue staining
Concentration:	>0.05 µg/µL as determined by microplate BCA method
Labeling Method:	Labeled with [U- <sup>13</sup> C <sub>6</sub> , <sup>15</sup> N <sub>4</sub> ]-L-Arginine and [U- <sup>13</sup> C <sub>6</sub> , <sup>15</sup> N <sub>2</sub> ]-L-Lysine
Buffer:	25 mM Tris-HCl, 100 mM glycine, pH 7.3
Storage:	Store at -80°C. Avoid repeated freeze-thaw cycles.
Stability:	Stable for 3 months from receipt of products under proper storage and handling conditions.
RefSeq:	<u><a href="#">NP_005722</a></u>
RefSeq Size:	1419
RefSeq ORF:	900
Synonyms:	ARC34; p34-Arc; PNAS-139; PRO2446
Locus ID:	10109



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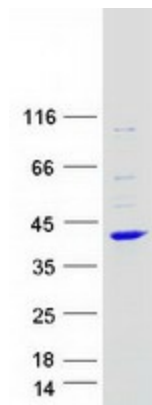
UniProt ID: [O15144](#), [Q53R19](#)

Cytogenetics: 2q35

**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]).