

## Recombinant Human ARPC2, His-tagged

Cat. No. ARPC2-7566H Lot. No. (See product label)

### SPECIFICATION

<b>Product Overview</b>	Recombinant human ARPC2L protein, fused to His-tag at N-terminus, was expressed in E.coli and purified by using conventional chromatography techniques.
<b>Species</b>	Human
<b>Source</b>	E.coli
<b>ProteinLength</b>	1-300aa
<b>Antigen Description</b>	Actin-related protein 2/3 complex subunit 2, also known as ARPC2, belongs to the Rho family of small GTPases. This protein is 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, the p34 subunit, has yet to be determined.
<b>Form</b>	Liquid. In 20mM Tris-HCl buffer (pH 8.0) containing 0.15M NaCl, 50% glycerol, 1mM DTT
<b>Molecular Mass</b>	36.7 kDa (323aa) confirmed by MALDI-TOF
<b>AA Sequence</b>	MGSSHHHHHH SSGLVPRGSH MGSMILLEVN NRIIEETLAL KFENAAAGNK PEAVEVTFAD FDGVLVHISN PNGDKTKVMV SISLKFYKEL QAHGADLLK RVYGSFLVNP ESGYNVSLLY DLENLPASKD SIVHQAGMLK RNCFASVFEK YFQFQEEGKE GENRAVIHYR DDETMVYESK KDRVTVVFST VFKDDDDVVI GKVFMQEFKE GRRASHTAPQ VLFSSHREPL ELKDTDAAVG DNIGYITFVL

 Tel: 1-631-559-9269 1-516-512-3133

 Email: [info@creative-biomart.com](mailto:info@creative-biomart.com)  Fax: 1-631-938-8127

 45-1 Ramsey Road, Shirley, NY 11967, USA

FPRHTNASAR DNTINLIHTF RDYLHYHIKC SKAYIHTRMR AKTSDFLKVL  
NRARPDAEKK EMKTITGKTF SSR

**Purity** >90% as determined by SDS - PAGE

**Applications** SDS-PAGE

**Storage** Can be stored at 4°C short term (1-2 weeks). For long term storage, aliquot and store at -20°C or -70°C. Avoid repeated freezing and thawing cycles.

**Concentration** 0.25 mg/ml

## GENE INFORMATION

**Gene Name** [ARPC2 actin related protein 2/3 complex, subunit 2, 34kDa \[ Homo sapiens \]](#)

**Official Symbol** ARPC2

**Synonyms** ARPC2; actin related protein 2/3 complex, subunit 2, 34kDa; actin related protein 2/3 complex, subunit 2 (34 kD); actin-related protein 2/3 complex subunit 2; ARC34; p34 Arc; arp2/3 complex 34 kDa subunit; ARP2/3 protein complex subunit 34; PRO2446; p34-Arc; PNAS-139;

**Gene ID** [10109](#)

**mRNA Refseq** [NM\\_005731](#)

**Protein Refseq** [NP\\_005722](#)

**MIM** [604224](#)

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<b>UniProt ID</b>	O15144
<b>Chromosome Location</b>	2q36.1
<b>Pathway</b>	B Cell Receptor Signaling Pathway, organism-specific biosystem; Bacterial invasion of epithelial cells, organism-specific biosystem; Bacterial invasion of epithelial cells, conserved biosystem; CDC42 signaling events, organism-specific biosystem; ErbB1 downstream signaling, organism-specific biosystem; Fc gamma R-mediated phagocytosis, organism-specific biosystem; Fc gamma R-mediated phagocytosis, conserved biosystem;
<b>Function</b>	actin binding; protein binding; structural constituent of cytoskeleton;

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