

Recombinant Human ARPC2, His-tagged

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

SPECIFICATION

Product Overview	Recombinant human ARPC2L protein, fused to His-tag at N-terminus, was expressed in E.coli and purified by using conventional chromatography techniques.
Species	Human
Source	E.coli
ProteinLength	1-300aa
Antigen Description	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.
Form	Liquid. In 20mM Tris-HCl buffer (pH 8.0) containing 0.15M NaCl, 50% glycerol, 1mM DTT
Molecular Mass	36.7 kDa (323aa) confirmed by MALDI-TOF
AA Sequence	MGSSHHHHHH SSGLVPRGSH MGSMILLEVN NRIIEETLAL KFENAAAGNK PEAVEVTFAD FDGVLYHISN PNGDKTKVMV SISLKFYKEL QAHGADLLK RVYGSFLVNP ESGYNVSLLY DLENLPASKD SIVHQAGMLK RNCFASVFEK YFQFQEEGKE GENRAVIHYR DDETMYESK KDRVTVVFAST VFKDDDDVVI GKVFMQEFKE GRRASHTAPQ VLFSHREPPL ELKDTDAAVG DNIGYITFVL

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	FPRHTNASAR DNTINLIHTF RDYLHYHIKC SKAYIHTMR 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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UniProt ID	O15144
Chromosome Location	2q36.1
Pathway	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;
Function	actin binding; protein binding; structural constituent of cytoskeleton;

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