

Recombinant Human ARPC3, His-tagged

Cat. No. ARPC3-7591H Lot. No. (See product label)

SPECIFICATION

Product Overview	Recombinant human ARPC3 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	1-178aa
Antigen Description	Actin-related protein 2/3 complex subunit 3, also known as ARPC3, is one of seven subunits of the human Arp2/3 protein complex. Localized to the cytoplasm and cytoskeleton, ARPC3 is thought to interact with p20-ARC and play an important role in the structural integrity of the protein complex.
Form	Liquid. In 20mM Tris-HCl buffer (pH 8.0) containing 0.15M NaCl, 30% glycerol, 1mM DTT
Molecular Mass	22.9 kDa (201aa) confirmed by MALDI-TOF
AA Sequence	MGSSHHHHHH SGLVPRGSH MGSM PAYHSS LMDPDTKLIG NMALLPIRSQ FKGPAPRETK DTDIVDEAIY YFKANVFFKN YEIKNEADRT LIYITLYISE CLKKLQKCNS KSQGEKEMYT LGITNFPIPG EPGFPLNAIY AKPANKQEDE VMRAYLQQLR QETGLRLCEK VFDPQNDKPS KWWTCFVKRQ FMNKSLSGPG Q
Purity	>95% as determined by SDS - PAGE

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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	0.5 mg/ml

GENE INFORMATION

Gene Name	ARPC3 actin related protein 2/3 complex, subunit 3, 21kDa [Homo sapiens]
Official Symbol	ARPC3
Synonyms	ARPC3; actin related protein 2/3 complex, subunit 3, 21kDa; actin related protein 2/3 complex, subunit 3 (21 kD); actin-related protein 2/3 complex subunit 3; ARC21; p21 Arc; arp2/3 complex 21 kDa subunit; ARP2/3 protein complex subunit p21; p21-Arc;
Gene ID	10094
mRNA Refseq	NM_005719
Protein Refseq	NP_005710
MIM	604225
UniProt ID	O15145
Chromosome Location	12q24
Pathway	B Cell Receptor Signaling Pathway, organism-specific biosystem; Bacterial invasion of epithelial cells, organism-specific biosystem; Bacterial invasion of epithelial cells,

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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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