Recombinant Human ARPC1A Protein, His-tagged

Cat. No. ARPC1A-151H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Human actin related protein 2/3 complex subunit 1A(ARPC1A), transcript variant 1(NM_006409), with a His tag, was expressed in human cells.
Species	Human
Source	Human Cells
Description	This gene encodes one of seven subunits of the human Arp2/3 protein complex. This subunit is a member of the SOP2 family of proteins and is most similar to the protein encoded by gene ARPC1B. The similarity between these two proteins suggests that they both may function as p41 subunit of the human Arp2/3 complex that has been implicated in the control of actin polymerization in cells. It is possible that the p41 subunit is involved in assembling and maintaining the structure of the Arp2/3 complex. Multiple versions of the p41 subunit may adapt the functions of the complex to different cell types or developmental stages. Alternatively spliced transcript variants encoding different isoforms have been found for this gene.
Form	Purified protein formulated in a sterile solution of TBS buffer, pH7.29, without any preservatives.
Molecular Mass	41.4 kDa
Endotoxin	Endotoxin level is < 0.1 ng/μg of protein (<1EU /μg)
Purity	>90% by SDS-PAGE gel and Coomassie Blue staining

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Applications	Antigens, Western, ELISA and other in vitro binding or in vivo functional assays, and protein-protein interaction studies.

GENE INFORMATION

Gene Name	ARPC1A actin related protein 2/3 complex, subunit 1A, 41kDa [Homo sapiens]
Official Symbol	ARPC1A
Synonyms	ARPC1A; actin related protein 2/3 complex, subunit 1A, 41kDa; actin related protein 2/3 complex, subunit 1A (41 kD); actin-related protein 2/3 complex subunit 1A; actin binding protein (Schizosaccharomyces pombe sop2 like); Arc40; SOP2 like protein; SOP2Hs; SOP2L; SOP2-like protein; actin binding protein (Schizosaccharomyces pombe sop2-like);
Gene ID	10552
mRNA Refseq	NM_001190996
Protein Refseq	NP_001177925
MIM	604220
UniProt ID	Q92747

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