

Recombinant Human ARPC1A, GST-tagged

Cat. No. ARPC1A-9881H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Human ARPC1A protein, fused to GST-tag, was expressed in E.coli and purified by GSH-sepharose.
Species	Human
Source	E.coli
ProteinLength	1-370a.a.
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.
Storage	The protein is stored in PBS buffer at -20°C. Avoid repeated freezing and thawing cycles.
Storage Buffer	1M PBS (58mM Na ₂ HPO ₄ , 17mM NaH ₂ PO ₄ , 68mM NaCl, pH8.) added with 100mM GSH and 1% Triton X-100, 15% glycerol.

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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
Chromosome Location	7q
Pathway	B Cell Receptor Signaling Pathway, organism-specific biosystem; Bacterial invasion of epithelial cells, organism-specific biosystem; Bacterial invasion of epithelial cells, conserved biosystem; Fc gamma R-mediated phagocytosis, organism-specific biosystem; Fc gamma R-mediated phagocytosis, conserved biosystem; Pathogenic Escherichia coli infection, organism-specific biosystem; Pathogenic Escherichia coli infection, conserved biosystem;

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Function

actin binding;

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