

Recombinant Full Length Human ARPC1B Protein, GST-tagged

Cat. No. ARPC1B-1102HF **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Human ARPC1B full-length ORF (NP_005711.1, 1 a.a. - 372 a.a.) recombinant protein with GST-tag at N-terminal.
Species	Human
Source	In Vitro Cell Free System
ProteinLength	372 amino acids
Description	<p>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 ARPC1A. 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. This protein also has a role in centrosomal homeostasis by being an activator and substrate of the Aurora A kinase. [provided by RefSeq, Mar 2011]</p>
Molecular Mass	67.3 kDa
AA Sequence	MAYHSFLVEP ISCHAWNKDR TQIAICPNNH EVHIYEKSGA KWTKVHELKE HNGQVTGIDW APESNRIVTC GTDRNAYVWT LKGRTWKPTL VILRINRAAR

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

 Email: info@creative-biomart.com  Fax: 1-631-938-8127

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

CVRWAPNENK FAVGSGSRVI SICYFEQEND WWVCKHIKPP IRSTVLSLDW
 HPNNVLLAAG SCDFKCRIFS AYIKEVEERP APTPWGSKMP FGELMFESSS
 SCGWVHGVCF SASGSRVAWV SHDSTVCLAD ADKKMAVATL ASETLPLLAL
 TFITDNSLVA AGHDCFPVLF TYDAAAGMLS FGGRLDVPKQ SSQRGLTARE
 RFQNLDDKAS SEGGTAAGAG LDSLHKNSVS QISVLSSGGKA KCSQFCTTGM
 DGGMSIWDVK SLESALKDLK IK

Applications

Enzyme-linked Immunoabsorbent Assay; Western Blot (Recombinant protein);
 Antibody Production; Protein Array

Storage

Store at -80 centigrade. Aliquot to avoid repeated freezing and thawing.

Storage Buffer

50 mM Tris-HCl, 10 mM reduced Glutathione, pH=8.0 in the elution buffer.

GENE INFORMATION

Gene Name

[ARPC1B actin related protein 2/3 complex, subunit 1B, 41kDa \[Homo sapiens \]](#)

Official Symbol

[ARPC1B](#)

Synonyms

ARPC1B; actin related protein 2/3 complex, subunit 1B, 41kDa; actin related protein 2/3 complex, subunit 1B (41 kD); actin-related protein 2/3 complex subunit 1B; actin related protein 2/3 complex; subunit 1A (41 kD); ARC41; ARP2/3 protein complex subunit p41; p40 ARC; p41 ARC; arp2/3 complex 41 kDa subunit; p40-ARC; p41-ARC

Gene ID

[10095](#)

mRNA Refseq

[NM_005720](#)

Protein Refseq

[NP_005711](#)

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MIM	604223
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UniProt ID	O15143
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