

Recombinant Human ARPC1B, His-tagged

Cat. No. ARPC1B-3104H Lot. No. (See product label)

SPECIFICATION

Product Overview Actin-related protein 2/3 complex subunit 1B (ARPC1B)

Species Human

Source E.Coli/Yeast

ProteinLength 372

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 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.

Form

This item requires custom production and lead time is between 5-9 weeks. We can custom produce according to your specifications.

Purity

>90%

Notes

Small volumes of ARPC1B recombinant protein may occasionally become entrapped in the seal of the product vial during shipment and storage. If necessary, briefly

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centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the container's cap. Certain products may require to ship with dry ice.

Storage Store at -20 degree C. For extended storage, store at -20 or -80 degree C.

Storage Buffer PBS pH 7.4, 50% glycerol

Warning This product is for research use only. Not for use in diagnostic or therapeutic procedures.

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](#)

MIM [604223](#)

UniProt ID [O15143](#)

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**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; CDC42 signaling events, organism-specific biosystem; ErbB1 do

Function

actin binding; structural constituent of cytoskeleton;

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