

Recombinant Full Length Human ARPC1A Protein, GST-tagged

Cat. No. ARPC1A-1135HF **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Human ARPC1A full-length ORF (AAH39594, 1 a.a. - 370 a.a.) recombinant protein with GST-tag at N-terminal.
Species	Human
Source	In Vitro Cell Free System
ProteinLength	370 amino acids
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. [provided by RefSeq, Jul 2010]
Molecular Mass	66.44 kDa
AA Sequence	MSLHQFLLEP ITCHAWNDRDR TQIALSPNNH EVHIYKKNGS QWVKAHELKE HNGHITGIDW APKSDRIVTC GADRNAYVWS QKDGWVKPTL VILRINRAAT

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FVKWSPLENK FAVGSGARLI SVCYFESEND WWVSKHIKKP IRSTVLSLDW
 HPNNVLLAAG SCDFKCRVFS AYIKEVDEKP ASTPWGSKMP FGQLMSEFGG
 SGTGGWVHGV SFSASGSRLA WVSHDSTVSV ADASKSVQVS TLKTEFLPLL
 SVSFVSENSV VAAGHDCCPM LFNYDDRGCL TFVSKLDIPK QSIQRNMSAM
 ERFRNMDKRA TTEDRNTALE TLHQNSITQV SIYEVDKQDC RKFCTTVIDG
 AMTIWDFKTL ESSIQGLRIM

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

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

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MIM	604220
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UniProt ID	Q92747
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