Recombinant Human ARPC1B Protein, Myc/DDK-tagged, C13 and N15-labeled

Cat. No. ARPC1B-1258H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	ARPC1B MS Standard C13 and N15-labeled recombinant protein (NP_005711) with a C-terminal MYC/DDK tag, was expressed in HEK293 cells.
Species	Human
Source	HEK293
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.
Molecular Mass	40.9 kDa
AA Sequence	MAYHSFLVEPISCHAWNKDRTQIAICPNNHEVHIYEKSGAKWTKVHELKEHNGQVT GIDWAPESNRIVTCGTDRNAYVWTLKGRTWKPTLVILRINRAARCVRWAPNENKFA VGSGSRVISICYFEQENDWWVCKHIKKPIRSTVLSLDWHPNNVLLAAGSCDFKCRIF SAYIKEVEERPAPTPWGSKMPFGELMFESSSSCGWVHGVCFSASGSRVAWVSHD

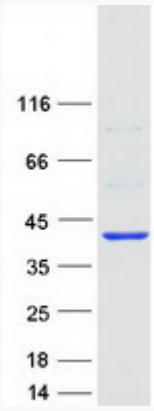
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	STVCLADADKKMAVATLASETLPLLALTFITDNSLVAAGHDCFPVLFTYDAAAGMLSF GGRLDVPKQSSQRGLTARERFQNLDKKASSEGGTAAGAGLDSLHKNSVSQISVLSG GKAKCSQFCTTGMDGGMSIWDVKSLESALKDLKIKTRTRPLEQKLISEEDLAANDILD YKDDDDKV
Purity	> 80% as determined by SDS-PAGE and Coomassie blue staining
Stability	Stable for 3 months from receipt of products under proper storage and handling conditions.
Storage	Store at -80 centigrade. Avoid repeated freeze-thaw cycles.
Concentration	50 μg/mL as determined by BCA
Storage Buffer	100 mM glycine, 25 mM Tris-HCl, pH 7.3.

GENE INFORMATION

Gene Name	ARPC1B actin related protein 2/3 complex subunit 1B [Homo sapiens (human)]
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

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Protein Refseq	NP_005711
MIM	604223
UniProt ID	O15143
SDS-PAGE	

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