

Product datasheet for **TP308053M**

ARPC1A (NM_006409) Human Recombinant Protein

Product data:

Product Type:	Recombinant Proteins
Description:	Recombinant protein of human actin related protein 2/3 complex, subunit 1A, 41kDa (ARPC1A), 100 µg
Species:	Human
Expression Host:	HEK293T
Expression cDNA Clone or AA Sequence:	>RC208053 protein sequence Red =Cloning site Green =Tags(s)

MSLHQFLLEPITCHAWNDRDRTQIALSPNNHEVHIYKKNQSQWVKAHELKEHNGHITGIDWAPKSDRIVTC
GADRDAYVWSQKDGWVKPTLVILRINRAATFVKWSPLENKFVAVGSGARLISVCYFESENDWWVSKHIKPP
IRSTVLSLDWHPNNVLLAAGSCDFKCRVFSAYIKEVDEKPASTPWGSKMPFGQLMSEFGGSGTGGWVHG
SFSASGSRLLAWVSHDSTVSVADASKSVQVSTLKTEFLPLLSVSVSENSVVAAGHDCCPMLFNYYDDRGL
TFVSKLDIPKQSIQRNMSAMERFRNMDKRATTEDRNTALETLHQNSITQVSIYEVDKQDCRKFCTTGIDG
AMTIWDFKTLLESSIQGLRIM

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Tag:	C-Myc/DDK
Predicted MW:	41.4 kDa
Concentration:	>0.05 µg/µL as determined by microplate BCA method
Purity:	> 80% as determined by SDS-PAGE and Coomassie blue staining
Buffer:	25 mM Tris-HCl, 100 mM glycine, pH 7.3, 10% glycerol
Preparation:	Recombinant protein was captured through anti-DDK affinity column followed by conventional chromatography steps.
Note:	For testing in cell culture applications, please filter before use. Note that you may experience some loss of protein during the filtration process.
Storage:	Store at -80°C.
Stability:	Stable for 12 months from the date of receipt of the product under proper storage and handling conditions. Avoid repeated freeze-thaw cycles.
RefSeq:	<u>NP_006400</u>



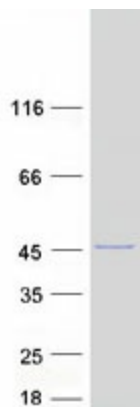
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Locus ID:	10552
UniProt ID:	Q92747 , V9HVZ6
RefSeq Size:	1623
Cytogenetics:	7q22.1
RefSeq ORF:	1110
Synonyms:	Arc40; HEL-68; HEL-S-307; SOP2Hs; SOP2L

Summary: 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]

Protein Pathways: Fc gamma R-mediated phagocytosis, Pathogenic Escherichia coli infection, Regulation of actin cytoskeleton

Product images:



Coomassie blue staining of purified ARPC1A protein (Cat# [TP308053]). The protein was produced from HEK293T cells transfected with ARPC1A cDNA clone (Cat# [RC208053]) using MegaTran 2.0 (Cat# [TT210002]).