

Product datasheet for **TP505701**

Arpc1a (NM_019767) Mouse Recombinant Protein

Product data:

Product Type:	Recombinant Proteins
Description:	Purified recombinant protein of Mouse actin related protein 2/3 complex, subunit 1A (Arpc1a), with C-terminal MYC/DDK tag, expressed in HEK293T cells, 20ug
Species:	Mouse
Expression Host:	HEK293T
Expression cDNA Clone or AA Sequence:	>MR205701 protein sequence Red =Cloning site Green =Tags(s)

MSLHQFLLEPITCHAWNDRDRTQIALSPNNHEVHIYKKNQSQWTKAHELKEHNGHITGIDWAPKSDRIVTC
GADRNAVWSQKDGIIWKPTLVILRINRAATFVKWSPLENKFAVGS GARLISVCYFESENDWWWVKHIKPP
IRSTVLSLDWHPNNVLLAAGSCDFKCRVFSAYIKEVDEKPASTPWGSKMPFGQLMSEFGGSGTGGVWHGV
SFSASGNRLAWVSHDSTVSVADASKSVQVSTLRTEFLPLLSVSVSENSVVAAGHDCCPMLFNYDDRGL
TFVSKLDVPKQSIQRNMSAMERFRNMDKRATTEDRNTALETLHQNSITQVSIYEVDKQDCRKFCTTGIDG
AMTIWDFKTLESSIQGLRIM

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Tag:	C-MYC/DDK
Predicted MW:	41.6 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
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 after receiving vials.
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:	NP_062741
Locus ID:	56443
UniProt ID:	Q9R0Q6



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RefSeq Size: 1588

Cytogenetics: 5 G2

RefSeq ORF: 1113

Synonyms: 41kDa; 0610010H08Rik; 1110030K07Rik; AA407347; Sid32; Sid329

Summary: Probably functions as component of the Arp2/3 complex which is involved in regulation of actin polymerization and together with an activating nucleation-promoting factor (NPF) mediates the formation of branched actin networks (By similarity). In addition to its role in the cytoplasmic cytoskeleton, the Arp2/3 complex also promotes actin polymerization in the nucleus, thereby regulating gene transcription and repair of damaged DNA (By similarity). [UniProtKB/Swiss-Prot Function]