

Product datasheet for **TP501582**

Arpc3 (NM_019824) Mouse Recombinant Protein

Product data:

Product Type:	Recombinant Proteins
Description:	Purified recombinant protein of Mouse actin related protein 2/3 complex, subunit 3 (Arpc3), with C-terminal MYC/DDK tag, expressed in HEK293T cells, 20ug
Species:	Mouse
Expression Host:	HEK293T
Expression cDNA Clone or AA Sequence:	>MR201582 protein sequence Red =Cloning site Green =Tags(s)
	 MPAYHSSLMDPDTKLIGNMALLPLRSQFKGPAPRETKDTDIVDEAIYYFKANVFFKNYSEIKNEADRTLIIY ITLYISECLKKLQKCNSKSQGEKEMYTLGITNFPPIGEPGFPLNAIYAKPASKQEDEM MRAYLQQLRQET GLRLCEKVFDPQSDKPSKWWTCFVKRQFMNKSLSGPGQ TR TRPLE Q KLISEEDLAANDILDYKDDDDKV
Tag:	C-MYC/DDK
Predicted MW:	20.5 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_062798
Locus ID:	56378
UniProt ID:	Q9JM76
RefSeq Size:	879
Cytogenetics:	5 F



[View online »](#)

RefSeq ORF: 537

Synonyms: 1110006A04Rik; p21-Ar; p21-ARC; p21Arc

Summary: Component of the Arp2/3 complex, a multiprotein complex that mediates actin polymerization upon stimulation by nucleation-promoting factor (NPF). The Arp2/3 complex mediates the formation of branched actin networks in the cytoplasm, providing the force for cell motility. 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. The Arp2/3 complex promotes homologous recombination (HR) repair in response to DNA damage by promoting nuclear actin polymerization, leading to drive motility of double-strand breaks (DSBs).[UniProtKB/Swiss-Prot Function]