

## Product datasheet for TP312631

### p16 ARC (ARPC5) (NM\_005717) Human Recombinant Protein

#### Product data:

Product Type:	Recombinant Proteins
Description:	Recombinant protein of human actin related protein 2/3 complex, subunit 5, 16kDa (ARPC5), 20 µg
Species:	Human
Expression Host:	HEK293T
Expression cDNA	>RC212631 representing NM_005717
Clone or AA Sequence:	Red=Cloning site Green=Tags(s)

MSKNTVSSARFRKVDVDEYDENKFVDEEDGGDQAGPDEGEVDSCLRQGNMTAALQAALKNPPINTKSQA  
VKDRAGSIVLKVLI SFKANDIEKAVQSLDKNGVDLLMKYIYKGFESPSDNSSAMLLQWHEKALAAGGVGS  
IVRVL TARKTV

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Tag:	C-Myc/DDK
Predicted MW:	16.1 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:	<a href="#">NP_005708</a>
Locus ID:	10092
UniProt ID:	<a href="#">O15511</a>



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RefSeq Size: 2000

Cytogenetics: 1q25.3

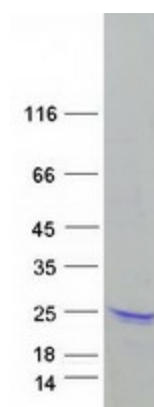
RefSeq ORF: 453

Synonyms: ARC16; dJ127C7.3; p16-Arc

**Summary:** This gene encodes one of seven subunits of the human Arp2/3 protein complex. The Arp2/3 protein complex has been implicated in the control of actin polymerization in cells and has been conserved through evolution. The exact role of the protein encoded by this gene, the p16 subunit, has yet to be determined. Alternatively spliced transcript variants encoding different isoforms have been observed for this gene. [provided by RefSeq, Jul 2012]

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

### Product images:



Coomassie blue staining of purified ARPC5 protein (Cat# TP312631). The protein was produced from HEK293T cells transfected with ARPC5 cDNA clone (Cat# [RC212631]) using MegaTran 2.0 (Cat# [TT210002]).