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Product datasheet for PH312631

p16 ARC (ARPC5) (NM_005717) Human Mass Spec Standard

Product data:

Product Type:	Mass Spec Standards
Description:	ARPC5 MS Standard C13 and N15-labeled recombinant protein (NP_005708)
Species:	Human
Expression Host:	HEK293
Expression cDNA Clone or AA Sequence:	RC212631
Predicted MW:	16.1 kDa
Protein Sequence:	>RC212631 representing NM_005717 Red=Cloning site Green=Tags(s) MSKNTVSSARFRKVDVDEYDENKFVDEEDGGDGQAGPDEGEVDSCLRQGNMTAALQAALKNPPINTKSQA VKDRAGSIVLKVLISFKANDIEKAVQSLDKNGVDLLMKYIYKGFESPSDNSSAMLLQWHEKALAAGGVGS IVRVLTARKTV TRTRPLEQKLISEEDLAANDILDYKDDDDKV
Tag:	C-Myc/DDK
Purity:	> 80% as determined by SDS-PAGE and Coomassie blue staining
Concentration:	>0.05 µg/µL as determined by microplate BCA method
Labeling Method:	Labeled with [U- 13C6, 15N4]-L-Arginine and [U- 13C6, 15N2]-L-Lysine
Buffer:	25 mM Tris-HCl, 100 mM glycine, pH 7.3
Storage:	Store at -80°C. Avoid repeated freeze-thaw cycles.
Stability:	Stable for 3 months from receipt of products under proper storage and handling conditions.
RefSeq:	NP_005708
RefSeq Size:	2000
RefSeq ORF:	453
Synonyms:	ARC16; dJ127C7.3; p16-Arc
Locus ID:	10092
UniProt ID:	O15511

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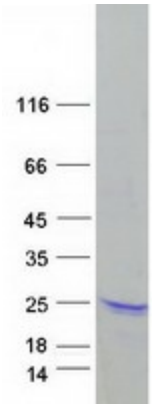
Cytogenetics: 1q25.3

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]).