

Product datasheet for PH316570

PI4KB (NM_002651) Human Mass Spec Standard

Product data:

Product Type:	Mass Spec Standards
Description:	PI4KB MS Standard C13 and N15-labeled recombinant protein (NP_002642)
Species:	Human
Expression Host:	HEK293
Expression cDNA Clone or AA Sequence:	RC216570
Predicted MW:	92.5 kDa
Protein Sequence:	>RC216570 representing NM_002651 Red=Cloning site Green=Tags(s)

MRFLEARSLAVAMGDTVVEPAPLKPTSEPTSGPPGNNGSLLSVITEGVGELSVIDPEVAQKACQEVLEK
VKLLHGGVAVSSRGTPLELVNGDGDVSEIRCLDDPPAQIREEEMGAASGTAKGARRRRQNNSAKQS
WLLRLFESKLFDISMAISYLYNSKEPGVQAYIGNRLF CFRNEDVDFYLPQLLNMYIHMDVDVGAIKPYI
VHRCRQSFSLQCALLLGAYSSDMHISTQRHSRGTKLRKLI LSDELKPAHRKRELPSLSPAPDTGLSPS
KRTHQRKSDATASISLSSNLKRTASNPKVENEDEELSSSTESIDNSFSSPVRLAPEREFIKSLMAIGKR
LATLPTKEQKTQRLISELSLLNHKLPARVWLPTAGFDHHVVRVPHQTQAVVLSKDKAPYL IYVEVLECN
FDTTSVPARIPENRIRSTRSVENLPECGITHEQRAGSFSTVPNYDNDDEAWSVDDIGELQVELPEVHTNS
CDNISQFSVDSITSQESKEPVFIAAGDIRRRRLSEQLAHTPTAFKRDPEPSSAVALKEPWQEKVRRIREGS
PYGHLPNWRLLSVIVKCGDDLQELLAFQVLKQLQSIWEQERVPLWIKPKYLVISADSGMIEPVVNAVS
IHQVKKQSQLSLLDYFLQEHGSYTTEAFLSAQRNFVQSCAGYCLVCYLLQVKDRHNGNILLDAEGHIIHI
DFGFILSSSPRNLGFETSAFKLTTTFVDVMGGLDGMFNYYKMLMLQGLIAARKHMDKVVQIVEIMQQGS
QLPCFHGSSTIRNLKERFHMSMTEEQLQLLVEQMV DGSMSRITTKLYDGFQYLTNGIM

TRTRPLEQKLI SEEDLAANDILDYKDDDDKV

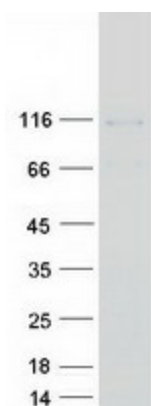
Tag:	C-Myc/DDK
Purity:	> 80% as determined by SDS-PAGE and Coomassie blue staining
Concentration:	>0.05 µg/µL as determined by microplate BCA method
Labeling Method:	Labeled with [U- ¹³ C ₆ , ¹⁵ N ₄]-L-Arginine and [U- ¹³ C ₆ , ¹⁵ N ₂]-L-Lysine
Buffer:	25 mM Tris-HCl, 100 mM glycine, pH 7.3
Storage:	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_002642



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RefSeq Size:	3471
RefSeq ORF:	2484
Synonyms:	NPIK; PI4K-BETA; PI4K92; PI4KBETA; PI4KIII; PI4KIIIBETA; PIK4CB
Locus ID:	5298
UniProt ID:	Q9UBF8 , A0A0B4J1S8
Cytogenetics:	1q21.3
Summary:	Phosphorylates phosphatidylinositol (PI) in the first committed step in the production of the second messenger inositol-1,4,5,-trisphosphate (PIP). May regulate Golgi disintegration/reorganization during mitosis, possibly via its phosphorylation. Involved in Golgi-to-plasma membrane trafficking (By similarity).[UniProtKB/Swiss-Prot Function]
Protein Families:	Druggable Genome
Protein Pathways:	Inositol phosphate metabolism, Metabolic pathways, Phosphatidylinositol signaling system

Product images:



Coomassie blue staining of purified PI4KB protein (Cat# [TP316570]). The protein was produced from HEK293T cells transfected with PI4KB cDNA clone (Cat# [RC216570]) using MegaTran 2.0 (Cat# [TT210002]).