

Product datasheet for TP316570

PI4KB (NM_002651) Human Recombinant Protein

Product data:

Product Type:	Recombinant Proteins
Description:	Recombinant protein of human phosphatidylinositol 4-kinase, catalytic, beta (PI4KB), 20 µg
Species:	Human
Expression Host:	HEK293T
Expression cDNA Clone or AA Sequence:	>RC216570 representing NM_002651 Red=Cloning site Green=Tags(s)

MRFLEARSLAVAMGDTVVEPAPLKPTSEPTSGPPGNNGGSLLSVITEGVGELSVIDPEVAQKACQEVLEK
VKLLHGGVAVSSRGTPLELVNGDGDSEIRCLDDPPAQIREEEDEMGAASGTAKGARRRRQNNSAKQS
WLLRLFESKLFDISMAISYLYNSKEPGVQAYIGNRLF CFRNEDVDFYLPQLLNMYIHMDDEDVGD AIKPYI
VHRCRQSINFLQC ALLGAYSSDMHISTQRHSRGTCLRKLILSDELKPAHRKREPLSPAPDTGLSPS
KRTHQRSKSDATASISLSSNLKRTASNPKVENEDEELSSSTESIDNSFSSPVR LAPEREFIKSLMAIGKR
LATLPTKEQKTQRLISELSLLNHKLPARVWLPTAGFDHHVVRVPH TQAVVLNSKDKAPYLIYVEVLECN
FDTTSV PARIPENRIRSTRSVENLPECGITHEQRAGSFSTV PNYDNDDEAWSVDDIGELQVELPEVHTNS
CDNISQFSVDSITSQESKEPVFIAAGDIRRRLSEQLAHTPTAFKRDPEDPSAVALKEPWQEKVRRIREGS
PYGHLPNWRLLSVIVKCGDDL RQELLAQV LKQLQSIWEQERVPLWIKPYKILVISADSGMI EPVNAVS
IHQVKKQSQSLLDYFLQEHG SYTTEAFLSAQRNFVQSCAGYCLVCYLLQVKDRHNGNILLDAEGHIIHI
DFGFILSSSPRNLGFETSAFKLTTEFVDVMGGLDGDMFNYYKMLMLQGLIAARKHMDKVVQIVEIMQQGS
QLPCFHGSSTIRNLKERFHMSMTEEQLQLLVEQMVDGSMRSITTKLYDGFQYL TNGIM

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

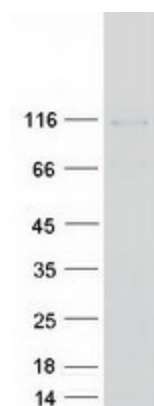
Tag:	C-Myc/DDK
Predicted MW:	92.5 kDa
Concentration:	>0.05 µg/µL as determined by microplate BCA method
Purity:	> 80% as determined by SDS-PAGE and Coomassie blue staining
Buffer:	25 mM Tris-HCl, 100 mM glycine, pH 7.3, 10% glycerol
Preparation:	Recombinant protein was captured through anti-DDK affinity 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.



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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:	NP_002642
Locus ID:	5298
UniProt ID:	Q9UBF8 , A0A0B4J1S8
RefSeq Size:	3471
Cytogenetics:	1q21.3
RefSeq ORF:	2484
Synonyms:	NPIK; PI4K-BETA; PI4K92; PI4KBETA; PI4KIII; PI4KIIIBETA; PIK4CB
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]).