

## Product datasheet for TP316570L

### PI4KB (NM\_002651) Human Recombinant Protein

#### Product data:

Product Type:	Recombinant Proteins
Description:	Recombinant protein of human phosphatidylinositol 4-kinase, catalytic, beta (PI4KB), 1 mg
Species:	Human
Expression Host:	HEK293T
Expression cDNA Clone or AA Sequence:	>RC216570 representing NM_002651 Red=Cloning site Green=Tags(s)

MRFLEARSLAVAMGDTVVEPAPLKPTSEPTSGPPGNNGGSLLSVITEGVGELSVIDPEVAQKACQEVLEK  
VKLLHGGVAVSSRGTPLELVNGDGDSEIRCLDDPPAQIREEEDEMGAASGTAKGARRRRQNNSAKQS  
WLLRLFESKLFDISMAISYLYNSKEPGVQAYIGNRFLCFRNEVDVDFYLPQLLNMYIHMDDEDVGDIAKPYI  
VHRCRQSINFLQCALLLGAYSSDMHISTQRHSRGTKLRKLILSDELKPAHRKREPLSPAPDTGLSPS  
KRTHQRSKSDATASISLSSNLKRTASNPKVENEDEELSSSTESIDNSFSSPVR LAPEREFIKSLMAIGKR  
LATLPTKEQKTQRLISELSLLNHKLPARVWLPTAGFDHHVVRVPHQTAVVLNSKDKAPYLIYVEVLECN  
FDTTSVPARIPENRIRSTRSVENLPECGITHEQRAGSFSTVPNYDNDDEAWSVDDIGELQVELPEVHTNS  
CDNISQFSVDSITSQESKEPVFIAAGDIRRRLSEQLAHTPTAFKRPEDPSAVALKEPWQEKVRRIREGS  
PYGHLPNWRLSVIVKCGDDLRLQELLAQVQLKQLQSIWEQERVPLWIKPYKILVISADSGMIEPVVNAVS  
IHQVKKQSQLSLLDYFLQEHGYSYTFEFLSAQRNFVQSCAGYCLVCYLLQVKDRHNGNILLDAEGHIIHI  
DFGFILSSSPRNLGFETSAFKLTTEFVDMGGLDGDMFNYYKMLMLQGLIAARKHMDKVVQIVEIMQQGS  
QLPCFHGSSTIRNLKERFHMSMTEEQQLLVEQMVDGSMRSITTKLYDGFQYLTINGIM

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

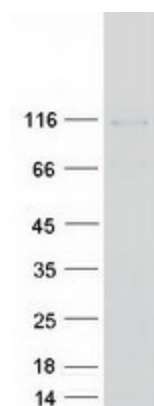
Tag:	C-Myc/DDK
Predicted MW:	92.5 kDa
Concentration:	>0.05 µg/µL as determined by microplate BCA method
Purity:	> 80% as determined by SDS-PAGE and Coomassie blue staining
Buffer:	25 mM Tris-HCl, 100 mM glycine, pH 7.3, 10% glycerol
Preparation:	Recombinant protein was captured through anti-DDK affinity 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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<b>Storage:</b>	Store at -80°C.
<b>Stability:</b>	Stable for 12 months from the date of receipt of the product under proper storage and handling conditions. Avoid repeated freeze-thaw cycles.
<b>RefSeq:</b>	<a href="#">NP_002642</a>
<b>Locus ID:</b>	5298
<b>UniProt ID:</b>	<a href="#">Q9UBF8</a> , <a href="#">A0A0B4J1S8</a>
<b>RefSeq Size:</b>	3471
<b>Cytogenetics:</b>	1q21.3
<b>RefSeq ORF:</b>	2484
<b>Synonyms:</b>	NPIK; PI4K-BETA; PI4K92; PI4KBETA; PI4KIII; PI4KIIIBETA; PIK4CB
<b>Summary:</b>	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]
<b>Protein Families:</b>	Druggable Genome
<b>Protein Pathways:</b>	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]).