

Recombinant Human PI4KB Protein, Myc/DDK-tagged, C13 and N15-labeled

Cat. No. PI4KB-899H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	PI4KB MS Standard C13 and N15-labeled recombinant protein (NP_002642) with a C-terminal MYC/DDK tag, was expressed in HEK293 cells.
Species	Human
Source	HEK293
Description	PI4KB (Phosphatidylinositol 4-Kinase Beta) is a Protein Coding gene. Diseases associated with PI4KB include Nonparalytic Poliomyelitis and Polycystic Kidney Disease 3 With Or Without Polycystic Liver Disease. Among its related pathways are Inositol phosphate metabolism (KEGG) and PI Metabolism. Gene Ontology (GO) annotations related to this gene include transferase activity, transferring phosphorus-containing groups and 1-phosphatidylinositol 4-kinase activity. An important paralog of this gene is PI4KA.
Molecular Mass	92.5 kDa
AA Sequence	MRFLEARSLAVAMGDTVVEPAPLKPTSEPTSGPPGNNGGSLLSVITEGVGELSVIDP EVAQKACQEVLEKVKLLHGGVAVSSRGTPLELVNGDGDVSEIRCLDDPPAQIREEE DEMGAAVASGTAKGARRRRQNNSAKQSWLLRLFESKLFDISMAISYLYNSKEPGVQ AYIGNRLFCFRNEDVDFYLPQLLNMYIHMDDEDVGDAIKPYIVHRCRQSINFSLQCALL LGAYSSDMHISTQRHSRGTKLRKLILSDELKPAHRKRELPSLPAPDTGLSPSKRTH QRSKSDATASISLSSNLKRTASNPKVENEDEELSSSTESIDNSFSSPVRLAPEREFIK

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SLMAIGKRLATLPTKEQKTQRLISELSLLNHKLPARVWLPTAGFDHHVVRVPHTQAV
 VLNSKDKAPYLIYVEVLECFDFTTSVPARIPENRIRSTRSVENLPECGITHEQRAGS
 FSTVPNYDNDDEAWSVDDIGELQVELPEVHTNSCDNISQFSVDSITSQESKEPVFIAA
 GDIRRRLSEQLAHTPTAFKRDPEDPSAVALKEPWQEKVRRIREGSPYGHLPNWRL
 SVIVKCGDDLRLQELLAQVLKQLQSIWEQERVPLWIKPYKILVISADSGMIEPVVNAV
 SIHQVKKQSQLSLLDYFLQEHGSYTTEAFLSAQRNFVQSCAGYCLVCYLLQVKDRH
 NGNILLDAEGHIIHIDFGFILSSSPRNLGFETSAFKLTTEFVDVMGGLDGMFNYYKM
 LMLQGLIAARKHMDKVQIVEIMQQGSQLPCFHGSSTIRNLKERFMSMTEEQLQLL
 VEQMVDGSMRSITTKLYDGFQYLTNGIMTRTRPLEQKLISEEDLAANDILDYKDDDD
 KV

Purity > 80% as determined by SDS-PAGE and Coomassie blue staining

Stability Stable for 3 months from receipt of products under proper storage and handling conditions.

Storage Store at -80 centigrade. Avoid repeated freeze-thaw cycles.

Concentration 50 µg/mL as determined by BCA

Storage Buffer 100 mM glycine, 25 mM Tris-HCl, pH 7.3.

GENE INFORMATION

Gene Name PI4KB phosphatidylinositol 4-kinase beta [Homo sapiens (human)]

Official Symbol PI4KB

Synonyms PI4KB; phosphatidylinositol 4-kinase, catalytic, beta; PIK4CB; phosphatidylinositol 4-kinase beta; PI4K BETA; pi4K92; PtdIns 4-kinase beta; type III phosphatidylinositol 4-kinase beta; phosphatidylinositol 4-kinase, wortmannin-sensitive; NPIK; PI4K92;

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PI4KBETA; PI4K-BETA; PI4KIIIBETA; FLJ30129; DKFZp686O1820;

Gene ID 5298

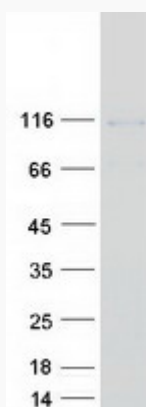
mRNA Refseq NM_002651

Protein Refseq NP_002642

MIM 602758

UniProt ID Q9UBF8

SDS-PAGE



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