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32-7700: Recombinant Human Phosphatidylinositol 4-Kinase beta/PI4KB (C-6His) (discontinued)

Gene : PI4KB
Gene ID : 5298
Uniprot ID : Q9UBF8

Description

Source: Human Cells.
MW :90.8kD.
Recombinant Human PI4KB is produced by our Mammalian expression system and the target gene encoding Met1-Met801 is expressed with a 6His tag at the C-terminus. Phosphatidylinositol 4-Kinase beta (PI4KB) belongs to the PI3/PI4-kinase family and Type III PI4K subfamily. PI4KB contains one PI3K/PI4K domain and one PIK helical domain. It is highly expressed in heart, skeletal muscle, pancreas, testis and ovary; it is lowly expressed in liver tissue. PI4KB kinase activity can be inhibited by wortmannin, and increased by interacting with NCS1/FREQ. PI4KB phosphorylates phosphatidylinositol (PI) in the first committed step in the production of the second messenger inositol-1,4,5,-trisphosphate (PIP). In addition, PI4KB may regulate Golgi disintegration/reorganization during mitosis.

Product Info

Amount : 10 µg / 50 µg
Content : Supplied as a 0.2 µm filtered solution of 25mM Tris.HCl,pH7.3,100mM glycine,10%glycerol.
Storage condition : Store at -20°C, stable for 6 months after receipt. Please minimize freeze-thaw cycles.
Amino Acid :
MGDTVVEPAPLKPTSEPTSGPPGNNGGSLLSVITEGVGELSVIDPEVAQKACQEVLEKVKLLHGGVAVSSRGTP
LELVNGDGVDSEIRCLDDPPAQIREEEDEMGAAVASGTAKGARRRRQNNSAKQSWLLRLFESKLFDISMAISYL
YNSKEPGVQAYIGNRLFCFRNEDVDFYLPQLLNMYIHMDEDVGDAIKPYIVHRCRQSINFSLQCALLLGAYSSDM
HISTQRHSRGTKLRKLILSDELKPAHRKRELPSLSPAPDTGLSPSKRTHQRSKSDATASISLSSNLKRTASNPKVE
NEDEPVRLAPEREFIKSLMAIGKRLATLPTKEQKTQRLISELSLLNHKLPARVWLPTAGFDHHVVRVPHTQAVVL
NSKDKAPYLIYVEVLECENFDTTSVPARIPENRIRSTRSVENLPECGITHEQRAGSFSTVPNYDNDDEAWSVDDI
GELQVELPEVHTNSCDNISQFSVDSITSQESKEPVFIAAGDIRRRLSEQLAHTPTAFKRDPEDPSAVALKEPWQE
KVRRIREGSPYGHLPNWRLLSVIVKCGDDLRQELLAFQVLKQLQSIWEQERVPLWIKPYKILVISADSGMIEPVV
NAVSIHQVKKQSQLSLLDYFLQEHGSYTTEAFLSAQRNFVQSCAGYCLVCYLLQVKDRHNGNILLDAEGHIIHID
FGFILSSSPRNLGFETSAFKLTTEFVDVMGGLDGDMFNYYKMLMLQGLIAARKHMDKVVQIVEIMQQGSQLPCF
HGSSTIRNLKERFHMSMTEEQLQLLVEQMVDGSMRSITTKLYDGFQYLTNGIMVDHHHHHH

Application Note

Endotoxin : Less than 0.1 ng/µg (1 IEU/µg) as determined by LAL test.

For Research Use Only. Not for use in diagnostic/therapeutics procedures.