

Recombinant Human Phosphatidylinositol 4-Kinase β /PI4KB Protein(C-6His)



Catalog Number:PKSH032015

Note: Centrifuge before opening to ensure complete recovery of vial contents.

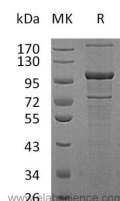
Description

Synonyms	Phosphatidylinositol 4-Kinase Beta; PI4K-Beta; PI4KBeta; PtdIns 4-Kinase Beta; NPIK; PI4K92; PI4KB; PIK4CB
Species	Human
Expression Host	Human Cells
Sequence	Met 1-Met801
Accession	Q9UBF8-2
Calculated Molecular Weight	90.8 kDa
Observed molecular weight	95 kDa
Tag	C-6His

Properties

Purity	> 95 % as determined by reducing SDS-PAGE.
Endotoxin	< 1.0 EU per μ g as determined by the LAL method.
Storage	Store at -20°C , stable for 6 months after receipt. Please minimize freeze-thaw cycles.
Shipping	The product is shipped on dry ice/blue ice. Upon receipt, store it immediately at the temperature listed below.
Formulation	Supplied as a 0.2 μ m filtered solution of 25mM TrisHCl, 100mM glycine, 10% glycerol, pH7.3.
Reconstitution	Please refer to the printed manual for detailed information.

Data



Background

Phosphatidylinositol 4-Kinase β (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.

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