Recombinant human PIP4K2B protein

Catalog Number: ATGP1942

PRODUCT INFORMATION

Expression system
E.coli

Domain
1-416aa

UniProt No.
P78356

NCBI Accession No.
NP_003550

Alternative Names
Phosphatidylinositol 5-phosphate 4-kinase type-2 beta, PI5P4KB, PIP5K2B, PIP5KIIB, PIP5KIIbeta

PRODUCT SPECIFICATION

Molecular Weight
49.8 kDa (439aa) confirmed by MALDI-TOF

Concentration
0.5mg/ml (determined by Bradford assay)

Formulation
Liquid in. 20mM Tris-HCl buffer (pH 8.0) containing 0.15M NaCl, 10% glycerol, 1mM DTT

Purity
> 85% by SDS-PAGE

Tag
His-Tag

Application
SDS-PAGE

Storage Condition
Can be stored at +2C to +8C for 1 week. For long term storage, aliquot and store at -20C to -80C. Avoid repeated freezing and thawing cycles.

BACKGROUND

Description
PIP4K2B catalyzes the phosphorylation of phosphatidylinositol-4-phosphate on the fifth hydroxyl of the myo-inositol ring to form phosphatidylinositol-4, 5-bisphosphate. It is a member of the phosphatidylinositol-4-phosphate 5-kinase family. The amino acid sequence of PIP4K2B does not show similarity to other kinases, but the protein does exhibit kinase activity. Additionally, PIP4K2B interacts with p55 TNF receptor. Recombinant human PIP4K2B protein, fused to His-tag at N-terminus, was expressed in E. coli and purified by using conventional chromatography techniques.

For research use only. This product is not intended or approved for human, diagnostics or veterinary use.

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Amino acid Sequence

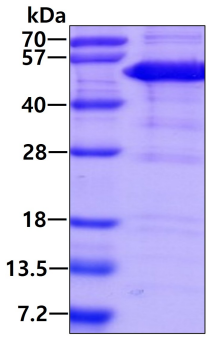
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General References

Richardson JP, Wang M, et al. (2007). Cell Signal. 19(6):1309-14.
Luoh SW, Venkatesan N, et al. (2004). Oncogene. 23(7):1354-63.

DATA

SDS-PAGE



3ug by SDS-PAGE under reducing condition and visualized by coomassie blue stain.