

AR50766PU-N

Human PIP4K2B / PIP5K2B (1-416, His-tag) - Purified

Alternate names:	Diphosphoinositide kinase 2-beta, PIP4KII-beta, Phosphatidylinositol-5-phosphate 4-kinase type-2 beta, PtdIns(5)P-4-kinase isoform 2-beta
Quantity:	0.25 mg
Concentration:	0.5 mg/ml (determined by Bradford assay)
Background:	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.
Uniprot ID:	P78356
NCBI:	NP_003550
GeneID:	8396
Species:	Human
Source:	E. coli
Format:	State: Liquid purified protein Purity: >90% by SDS - PAGE Buffer System: 20 mM Tris-HCl buffer (pH 8.0) containing 0.15M NaCl, 10% glycerol, 1mM DTT
Description:	Recombinant human PIP4K2B protein, fused to His-tag at N-terminus, was expressed in E.coli and purified by using conventional chromatography techniques. AA Sequence: MGSSHHHHH SSGLVPRGSH MGSMSNCTS TTAVAVAPLS ASKTKTKKKH FVCQKVKLFR ASEPILSVLM WGVNHTINEL SNVPVPVMLM PDDFKAYSKI KVDNHLFNKE NLPSRFKFKE YCPMVFRNLR ERFGIDDQDY QNSVTRSAPI NSDSQGRGCT RFLTTYDRRF VIKTVSSEDV AEMHNILKKY HQFIVECHGN TLLPQFLGMY RLTVDGVETY MVVTRNVFSL RLTVHRKYDL KGSTVAREAS DKEKAKDLPT FKNDFLNEG QKLHVGEESK KNFLEKLKRD VEFLAQLKIM DYSLLVGIHD VDRAEQEEME VEERADEEC ENDGVGGNLL CSYGTTPDSP GNLLSFPRFF GPGEFDPSVD VYAMKSHSS PKKEVYFMAI IDILTPYDTK KKAHAHAKT V KHGAGAEIST VNPEQYSKRF NEFMSNILT Molecular weight: 49.8 kDa (439aa) confirmed by MALDI-TOF
Storage:	Store undiluted at 2-8°C for one week or (in aliquots) at -20°C to -80°C for longer. Avoid repeated freezing and thawing. Shelf life: one year from despatch.
General Readings:	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.

Pictures:

