abcam

Product datasheet

Recombinant Human PIP5K1 alpha/PIP5K1A protein ab160016

1 Image

Description

Product name	Recombinant Human PIP5K1 alpha/PIP5K1A protein
Expression system	Wheat germ
Protein length	Full length protein
Animal free	No
Nature	Recombinant
Species	Human
Sequence	MASASSGPSSSVGFSSFDPAVPSCTLSSASGIKRPMASE VPYASGMPIKK IGHRSVDSSGETTYKKTTSSALKGAIQLGITHTVGSLSTKPE RDVLMQDF YVVESIFFPSEGSNLTPAHHYNDFRFKTYAPVAFRYFRELF GIRPDDYLY SLCSEPLIELCSSGASGSLFYVSSDDEFIIKTVQHKEAEFL QKLLPGYYM NLNQNPRTLLPKFYGLYCVQAGGKNIRIVVMNNLLPRSVK MHIKYDLKGS TYKRRASQKEREKPLPTFKDLDFLQDIPDGLFLDADMYNA LCKTLQRDCL VLQSFKIMDYSLLMSIHNIDHAQREPLSSETQYSVDTRRPA PQKALYSTA MESIQGEARRGGTMETDDHMGGIPARNSKGERLLLYIGIIDI LQSYRFVK KLEHSWKALVHDGDTVSVHRPGFYAERFQRFMCNTVFK KIPCVHLGRPDV LPQTPPLEEISEGSPIPDPSFSPLVGETLQMLTTSTTLEKL EVAESEFTH
Amino acids	1 to 500
Tags	GST tag N-Terminus

Specifications

Our **Abpromise guarantee** covers the use of **ab160016** in the following tested applications.

The application notes include recommended starting dilutions; optimal dilutions/concentrations should be determined by the end user.

Applications	ELISA Western blot
Form	Liquid
Additional notes	This product was previously labelled as PIP5K1 alpha.

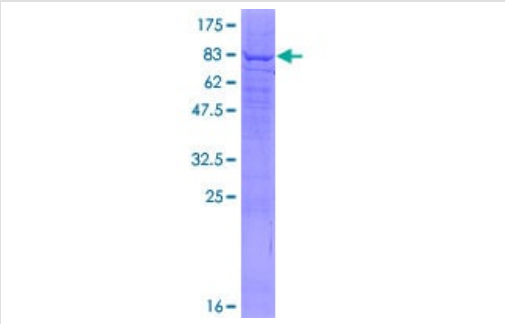
Preparation and Storage

Stability and Storage	Shipped on dry ice. Upon delivery aliquot and store at -80ºC. Avoid freeze / thaw cycles. pH: 8.00 Constituents: 0.31% Glutathione, 0.79% Tris HCl

General Info

Function	Participates in the biosynthesis of phosphatidylinositol-4,5-bisphosphate. Mediates RAC1-dependent reorganization of actin filaments. Acts as an activator of TUT1 adenylyltransferase activity in nuclear speckles, thereby regulating mRNA polyadenylation of a select set of mRNAs. Contributes to the activation of PLD2.
Tissue specificity	Highly expressed in heart, placenta, skeletal muscle, kidney and pancreas. Detected at lower levels in brain, lung and liver.
Sequence similarities	Contains 1 PIPK domain.
Cellular localization	Cell membrane. Endomembrane system. Golgi apparatus > Golgi stack. Nucleus speckle. Associated with the plasma membrane and with internal membranes. Associated with Golgi stacks (By similarity). Detected on RAC1-induced plasma membrane ruffles, and on membrane ruffles induced by platelet-derived growth factor. Localizes to nuclear speckles and associates with TUT1 to regulate polyadenylation of selected mRNAs.

Images



SDS-PAGE - Recombinant Human PIP5K1 alpha/PIP5K1A protein (ab160016)

ab160016 on a 12.5% SDS-PAGE stained with Coomassie Blue.

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- Response to your inquiry within 24 hours
- We provide support in Chinese, English, French, German, Japanese and Spanish
- Extensive multi-media technical resources to help you
- We investigate all quality concerns to ensure our products perform to the highest standards

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