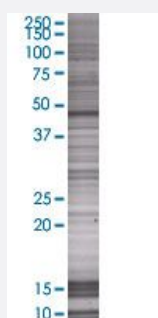


PIP5K2A 293T Cell Transient Overexpression Lysate(Denatured)

Catalog # H00005305-T01

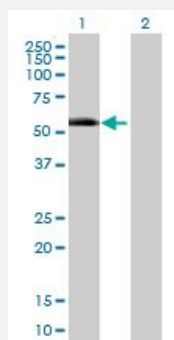
Size 100 uL

Applications



SDS-PAGE Gel

PIP4K2A transfected lysate.



Western Blot

Lane 1: PIP4K2A transfected lysate (44.77 KDa)

Lane 2: Non-transfected lysate.

Specification

Transfected Cell Line 293T

Plasmid pCMV-PIP5K2A full-length

Host Human

Theoretical MW (kDa) 44.77

Quality Control Testing

Transient overexpression cell lysate was tested with Anti-PIP5K2A antibody ([H00005305-B01](#)) by Western Blots.

SDS-PAGE Gel

PIP4K2A transfected lysate.

Western Blot

Lane 1: PIP4K2A transfected lysate (44.77 KDa)

Lane 2: Non-transfected lysate.

Storage Buffer	1X Sample Buffer (50 mM Tris-HCl, 2% SDS, 10% glycerol, 300 mM 2-mercaptoethanol, 0.01% Bromophenol blue)
Storage Instruction	Store at -80°C. Aliquot to avoid repeated freezing and thawing.

Applications

- Western Blot

Gene Info — PIP4K2A

Entrez GeneID	5305
GeneBank Accession#	NM_005028.3
Protein Accession#	NP_005019.2
Gene Name	PIP4K2A
Gene Alias	FLJ13267, PI5P4KA, PIP5K2A, PIP5KII-alpha, PIP5KIIA, PIPK
Gene Description	phosphatidylinositol-5-phosphate 4-kinase, type II, alpha
Omim ID	603140
Gene Ontology	Hyperlink

Gene Summary	Phosphatidylinositol-5,4-bisphosphate, the precursor to second messengers of the phosphoinositide signal transduction pathways, is thought to be involved in the regulation of secretion, cell proliferation, differentiation, and motility. The protein encoded by this gene is one of a family of enzymes capable of catalyzing the phosphorylation of phosphatidylinositol-5-phosphate on the fourth hydroxyl of the myo-inositol ring to form phosphatidylinositol-5,4-bisphosphate. The amino acid sequence of this enzyme does not show homology to other kinases, but the recombinant protein does exhibit kinase activity. This gene is a member of the phosphatidylinositol-5-phosphate 4-kinase family. [provided by RefSeq]
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Other Designations	1-phosphatidylinositol-4-phosphate kinase 1-phosphatidylinositol-4-phosphate-5-kinase OTTHUMP00000019300 OTTHUMP00000043353 PIP5KIalpha PtdIns(4)P-5-kinase B isoform diphosphoinositide kinase phosphatidylinositol-4-phosphate 5-kinase, type II, alpha type
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Pathway

- [Inositol phosphate metabolism](#)

- [Phosphatidylinositol signaling system](#)
- [Regulation of actin cytoskeleton](#)

Disease

- [Alzheimer Disease](#)
- [Bipolar Disorder](#)
- [Genetic Predisposition to Disease](#)
- [Schizophrenia](#)
- [Schizophrenic Psychology](#)
- [Tobacco Use Disorder](#)