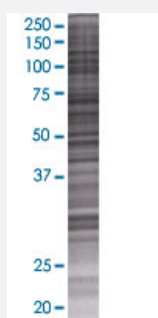


PIP5K3 293T Cell Transient Overexpression Lysate(Denatured)

Catalog # H00200576-T03

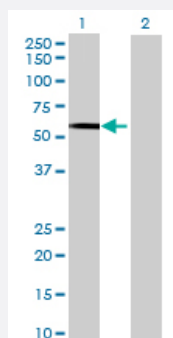
Size 100 uL

Applications



SDS-PAGE Gel

PIP5K3 transfected lysate.



Western Blot

Lane 1: PIP5K3 transfected lysate (49.72 KDa)

Lane 2: Non-transfected lysate.

Specification

Transfected Cell Line 293T

Plasmid pCMV-PIP5K3 full-length

Host Human

Theoretical MW (kDa) 49.72

Quality Control Testing

Transient overexpression cell lysate was tested with Anti-PIP5K3 antibody ([H00200576-B02](#)) by Western Blots.

SDS-PAGE Gel

PIP5K3 transfected lysate.

Western Blot

Lane 1: PIP5K3 transfected lysate (49.72 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 — PIP5K3

Entrez GeneID[200576](#)**GeneBank Accession#**[NM_152671.2](#)**Protein Accession#**[NP_689884.1](#)**Gene Name**

PIP5K3

Gene Alias

CFD, FAB1, KIAA0981, MGC40423, PIKFYVE, PIP5K

Gene Description

phosphatidylinositol-3-phosphate/phosphatidylinositol 5-kinase, type III

Omim ID[121850 609414](#)**Gene Ontology**[Hyperlink](#)**Gene Summary**

PIP5K3 belongs to a large family of lipid kinases that alter the phosphorylation status of intracellular phosphatidylinositol. Signaling by phosphorylated species of phosphatidylinositol regulates diverse cellular processes, including membrane trafficking and cytoskeletal reorganization (Shisheva et al., 1999 [PubMed 9858586]).[supplied by OMIM]

Other Designations

1-phosphatidylinositol-4-phosphate 5-kinase|FYVE finger-containing phosphoinositide kinase|OTTHUMP00000163872|PtdIns(4)P-5-kinase|phosphatidylinositol-3-phosphate 5-kinase type III|phosphatidylinositol-4-phosphate 5-kinase, type III

Pathway

- [Endocytosis](#)
- [Fc gamma R-mediated phagocytosis](#)
- [Inositol phosphate metabolism](#)

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

Disease

- [Tobacco Use Disorder](#)