

Product datasheet for TP301367

PI4K2A (NM_018425) Human Recombinant Protein

Product data:

Product Type:	Recombinant Proteins
Description:	Recombinant protein of human phosphatidylinositol 4-kinase type 2 alpha (PI4K2A), 20 µg
Species:	Human
Expression Host:	HEK293T
Expression cDNA Clone or AA Sequence:	>RC201367 representing NM_018425 Red =Cloning site Green =Tags(s)

MDETSPLVSPERAQPPDYTFPSGSGAHFPQVPGGAVRVAAAAGSGSPSPGSPGHDRERQPLDRARGAAA
QGQTQTVAQAQALAAQAAAAHAAQAHRENEFPEDPEFEAVVRQAELAIERICIFPERIYQGSSGSYFV
KDPQGRIIAVFKPKNEEPYGHLPKWTWKLQKLCCPCCFGRDCLVLNQGYLEAGASLVDQKLELNIVPR
TKVVYLASETFNYSIDRVKSRGKRLALEKVPKVGQRFNRIGLPPKVGFSQLFVEGYKDADYWLRRFEAE
PLPENTNRQLLLQFERLVLDYIIRNTDRGNDNWLKIDYDCPMDSSSRDTDWVWVKEPVIKVAAIDNGLA
FPLKHPDSWRAYPFYWAWLPQAKVPFSQEIKDLILPKISDPNFVKDLEEDLYELFKKDPGFDRGQFHKQI
AVMRGQILNLTQALKDNKSPHLVQMPPVIVETARSHQRSSSESYSYTSFQSRKPFSSWW

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Tag:	C-Myc/DDK
Predicted MW:	53.8 kDa
Concentration:	>0.05 µg/µL as determined by microplate BCA method
Purity:	> 80% as determined by SDS-PAGE and Coomassie blue staining
Buffer:	25 mM Tris-HCl, 100 mM glycine, pH 7.3, 10% glycerol
Preparation:	Recombinant protein was captured through anti-DDK affinity column followed by conventional chromatography steps.
Note:	For testing in cell culture applications, please filter before use. Note that you may experience some loss of protein during the filtration process.
Storage:	Store at -80°C.
Stability:	Stable for 12 months from the date of receipt of the product under proper storage and handling conditions. Avoid repeated freeze-thaw cycles.
RefSeq:	<u>NP_060895</u>



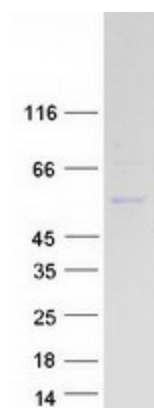
[View online »](#)

Locus ID: 55361
UniProt ID: [Q9BTU6](#)
RefSeq Size: 4185
Cytogenetics: 10q24.2
RefSeq ORF: 1437
Synonyms: PI4KII; PIK42A

Summary: Phosphatidylinositolpolyphosphates (PtdInsPs) are centrally involved in many biologic processes, ranging from cell growth and organization of the actin cytoskeleton to endo- and exocytosis. PI4KII phosphorylates PtdIns at the D-4 position, an essential step in the biosynthesis of PtdInsPs (Barylko et al., 2001 [PubMed 11244087]).[supplied by OMIM, Mar 2008]

Protein Families: Druggable Genome

Product images:



Coomassie blue staining of purified PI4K2A protein (Cat# TP301367). The protein was produced from HEK293T cells transfected with PI4K2A cDNA clone (Cat# [RC201367]) using MegaTran 2.0 (Cat# [TT210002]).