

Product datasheet for PH301367

PI4K2A (NM_018425) Human Mass Spec Standard

Product data:

Product Type:	Mass Spec Standards
Description:	PI4K2A MS Standard C13 and N15-labeled recombinant protein (NP_060895)
Species:	Human
Expression Host:	HEK293
Expression cDNA Clone or AA Sequence:	RC201367
Predicted MW:	53.8 kDa
Protein Sequence:	>RC201367 representing NM_018425 Red =Cloning site Green =Tags(s)

MDETSPLVSPERAQPPDYTFPSGSGAHFPQVPGGAVRVAAAAGSGSPSPGSPGHRERQPLLDARGAAA
 QGQTQTVAQAQALAAQAAAAHAAQAHRENEFPEDPEFEAVVRQAELAIERICIFPERIYQGSSGSYFV
 KDPQGRIIAVFKPKNEEPYGHLPKWKWLQKLCCPCCFGRDCLVLNQGYLSEAGASLVDQKLELNIVPR
 TKVVYLASETFNYSIDRVKSRGKRLALEKVPKVGQRFNRIGLPPKVGSFQLFVEGYKDADYWLRRFEAE
 PLPENTNRQLLLQFERLVVLDYIIRNTDRGNDNLIKYDCPMDSSSRDWDVVVKEPVIKVAAIDNGLA
 FPLKHPDSWRAYPFYWAWLPQAKVPFSQEIKDLILPKISDPNFVKDLEEDLYELFKKDPGFDRGQFHKQI
 AVMRGQILNL TQALKDNKSPLHLVQMPPVIVETARSHQRSSSESYTSFQSRKPFFSWW

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Tag:	C-Myc/DDK
Purity:	> 80% as determined by SDS-PAGE and Coomassie blue staining
Concentration:	>0.05 µg/µL as determined by microplate BCA method
Labeling Method:	Labeled with [U- ¹³ C ₆ , ¹⁵ N ₄]-L-Arginine and [U- ¹³ C ₆ , ¹⁵ N ₂]-L-Lysine
Buffer:	25 mM Tris-HCl, 100 mM glycine, pH 7.3
Storage:	Store at -80°C. Avoid repeated freeze-thaw cycles.
Stability:	Stable for 3 months from receipt of products under proper storage and handling conditions.
RefSeq:	<u>NP_060895</u>
RefSeq Size:	4185
RefSeq ORF:	1437
Synonyms:	PI4KII; PIK42A


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Locus ID: 55361

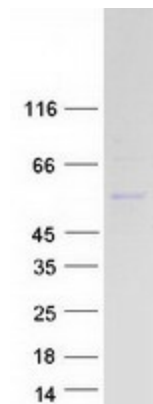
UniProt ID: [Q9BTU6](#)

Cytogenetics: 10q24.2

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]).