

Recombinant Human PI4K2A Protein, Myc/DDK-tagged, C13 and N15-labeled

Cat. No. PI4K2A-2470H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	PI4K2A MS Standard C13 and N15-labeled recombinant protein (NP_060895) with a C-terminal MYC/DDK tag, was expressed in HEK293 cells.
Species	Human
Source	HEK293
Description	Phosphatidylinositolpolyphosphates (PtdInsPs) are centrally involved in many biologic processes, ranging from cell growth and organization of the actin cytoskeleton to end o- and exocytosis. PI4KII phosphorylates PtdIns at the D-4 position, an essential step in the biosynthesis of PtdInsPs.
Molecular Mass	53.8 kDa
AA Sequence	<p>MDETSPLVSPERAQPPDYTFPSGSGAHFPQVPGGAVRVAAAAGSGSPPPGSPGHD</p> <p>RERQPLLDLRARGAAAQGQTQTVAQAQAALAAQAAAAAHAAQAHRRERNEFPEDPEF</p> <p>EAVVRQAELAIERCIFPERIYQGSSGSYFVKDPQGRIIAVFKPKNEEPYGHLPKWKTK</p> <p>WLQKLCCPCCFGRDCLVLNQGYLSEAGASLVDQKLELNIVPRTKVVYLASETFNYS</p> <p>IDRVKSRGKRLALEKVPKVGQRFNRIGLPPKVGFSQFLVEGYKDADYWLRRFEAEPL</p> <p>PENTNRQLLLQFERLVLDYIIRNTDRGNDNWLIKDYDCPMDSSSSSRDWDVVVKEPV</p> <p>IKVAAIDNGLAFPLKHPDSWRAYPFYWAWLPQAKVPFSQEIKDLILPKISDPNFVKDL</p> <p>EEDLYELFKKDPGFDRGQFHKQIAVMRGQILNLTQALKDNKSPLHLVQMPPVIVETA</p> <p>RSHQRSSSESYTQSFQSRKPFFSWWTRTRPLEQKLISEEDLAANDILDYKDDDDKV</p>

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Purity	> 80% as determined by SDS-PAGE and Coomassie blue staining
Stability	Stable for 3 months from receipt of products under proper storage and handling conditions.
Storage	Store at -80 centigrade. Avoid repeated freeze-thaw cycles.
Concentration	50 µg/mL as determined by BCA
Storage Buffer	100 mM glycine, 25 mM Tris-HCl, pH 7.3.

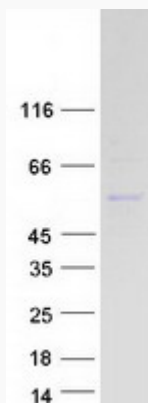
GENE INFORMATION

Gene Name	PI4K2A phosphatidylinositol 4-kinase type 2 alpha [Homo sapiens (human)]
Official Symbol	PI4K2A
Synonyms	PI4K2A; phosphatidylinositol 4-kinase type 2 alpha; phosphatidylinositol 4-kinase type 2-alpha; DKFZP761G1923; PI4KII; PIK42A; phosphatidylinositol 4-kinase type II-alpha; phosphatidylinositol 4-kinase type II (PI4KII); RP11-548K23.6; DKFZp761G1923;
Gene ID	55361
mRNA Refseq	NM_018425
Protein Refseq	NP_060895
MIM	609763
UniProt ID	Q9BTU6

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SDS-PAGE

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