Recombinant Full Length Human PI4K2A Protein, C-Flag-tagged

Cat. No. PI4K2A-2031HFL **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Full Length Human PI4K2A Protein, fused to Flag-tag at C-terminus, was expressed in Mammalian cells.
Species	Human
Source	Mammalian Cells
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.
Form	25 mM Tris HCl, pH 7.3, 100 mM glycine, 10% glycerol.
Molecular Mass	53.8 kDa
AA Sequence	MDETSPLVSPERAQPPDYTFPSGSGAHFPQVPGGAVRVAAAAGSGPSPPGSPGHD RERQPLLDRARGAAA QGQTQTVAAQAQALAAQAAAAAHAAQAHRERNEFPEDPE FEAVVRQAELAIERCIFPERIYQGSSGSYFV KDPQGRIIAVFKPKNEEPYGHLNPKW TKWLQKLCCPCCFGRDCLVLNQGYLSEAGASLVDQKLELNIVPR TKVVYLASETFN YSAIDRVKSRGKRLALEKVPKVGQRFNRIGLPPKVGSFQLFVEGYKDADYWLRRFE AE PLPENTNRQLLLQFERLVVLDYIIRNTDRGNDNWLIKYDCPMDSSSSRDTDWVV VKEPVIKVAAIDNGLA FPLKHPDSWRAYPFYWAWLPQAKVPFSQEIKDLILPKISDPN FVKDLEEDLYELFKKDPGFDRGQFHKQI AVMRGQILNLTQALKDNKSPLHLVQMPP

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	VIVETARSHQRSSSESYTQSFQSRKPFFSWW TRTRPLEQKLISEEDLAANDILDYKD DDDKV
Purity	> 80% as determined by SDS-PAGE and Coomassie blue staining.
Stability	Stable for 12 months from the date of receipt of the product under proper storage and handling conditions. Avoid repeated freeze-thaw cycles.
Storage	Store at -80 centigrade.
Concentration	>50 ug/mL as determined by microplate BCA method.
Preparation	Recombinant protein was captured through anti-DDK affinity column followed by conventional chromatography steps.
Protein Families	Druggable Genome
Full Length	Full L.

GENE INFORMATION

Gene Name	PI4K2A phosphatidylinositol 4-kinase type 2 alpha [Homo sapiens (human)]
Official Symbol	PI4K2A
Synonyms	PI4KII; PIK42A
Gene ID	55361
mRNA Refseq	NM_018425.4

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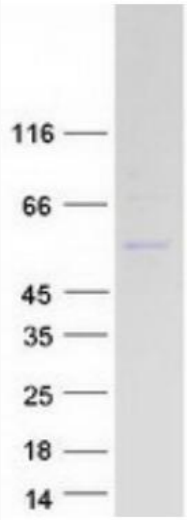
Protein Refseq	NP_060895.1
MIM	609763
UniProt ID	Q9BTU6



Coomassie blue staining of purified PI4K2A protein.

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