

Recombinant Human IP6K3 Protein, Myc/DDK-tagged, C13 and N15-labeled

Cat. No. IP6K3-2987H Lot. No. (See product label)

SPECIFICATION

Product Overview

IP6K3 MS Standard C13 and N15-labeled recombinant protein (NP_473452) with a C-terminal MYC/DDK tag, was expressed in HEK293 cells.

Species

Human

Source

HEK293

Description

This gene encodes a protein that belongs to the inositol phosphokinase (IPK) family. This protein is likely responsible for the conversion of inositol hexakisphosphate (InsP6) to diphosphoinositol pentakisphosphate (InsP7/PP-InsP5). It may also convert 1,3,4,5,6-pentakisphosphate (InsP5) to PP-InsP4. Alternative splicing results in multiple transcript variants encoding the same protein.

Molecular Mass

46.4 kDa

AA Sequence

MVVQNSADAGDMRAGVQLEPFLHQVGGHMSVMKYDEHTVCKPLVSREQRFYESL
 PLAMKRFTPQYKGTVTVHLWKDSTGHLVSLVANPVKESQEPFKVSTESA AVAIWQTL
 QQTGSDCTLAQWPHAQLARSPKESPAKALLRSEPHLNTPAFSLVEDTNGNQ
 VERKSFNPWGLQCHQAHLTRLCSEYPENKRHRFLLLENNVVSQYTHPCVLDLKMGT
 RQHGD DASEEKARHMRKCAQSTSACLGV RICGMQVYQTDK KYFLCKDKYYGRKL
 SVEGFRQALYQFLHNGSHLRRELEPILHQLRALLSVIRSQSSYRFYSSLLVIYDGGQ
 EPPERAPGSPHPHEAPQAAHGSSPGGLTKVDIR MIDFAHTTYKGYWNEHTTYDGPD
 PGYIFGLENLIRILQDIQEGETRTRPLEQKLISEEDLAANDILDYKDDDDKV

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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

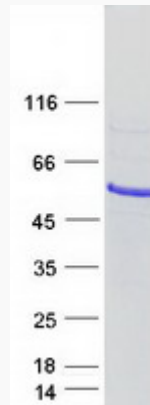
Gene Name	IP6K3 inositol hexakisphosphate kinase 3 [Homo sapiens (human)]
Official Symbol	IP6K3
Synonyms	IP6K3; inositol hexakisphosphate kinase 3; IHPK3, inositol hexaphosphate kinase 3; INSP6K3; InsP6 kinase 3; inositol hexaphosphate kinase 3; ATP:1D-myo-inositol-hexakisphosphate phosphotransferase; IHPK3; MGC102928;
Gene ID	117283
mRNA Refseq	NM_054111
Protein Refseq	NP_473452
MIM	606993
UniProt ID	Q96PC2

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SDS-PAGE



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