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Product datasheet for PH320137

IHPK3 (IP6K3) (NM_054111) Human Mass Spec Standard

Product data:

Product Type:	Mass Spec Standards
Description:	IP6K3 MS Standard C13 and N15-labeled recombinant protein (NP_473452)
Species:	Human
Expression Host:	HEK293
Expression cDNA Clone or AA Sequence:	RC220137
Predicted MW:	46.4 kDa
Protein Sequence:	>RC220137 protein sequence Red=Cloning site Green=Tags(s) MVVQNSADAGDMRAGVQLEPFLHQVGGHMSVMKYDEHTVCKPLVSREQRFYESLPLAMKRFTPQYKGTVT VHLWKDSTGHLSLVANPVKESQEPFKVSTESAAVAIWQTLQQTTGSNGSDCTLAQWPHAQLARSPKESPA KALLRSEPHLNTPAFSLVEDTNGNQVERKSFNPWGLQCHQAHLTRLCSEYPENKRHRFLLLENVVSQYTH PCVLDLKMGTRQHGDDASEEKKARHMRKCAQSTSACLGVRICGMQVYQTDKKYFLCKDKYYGRKLSVEGF RQALYQFLHNGSHLRRELLEPILHQLRALLSVIRSQSSYRFYSSSLLVIYDGQEPPERAPGSPHPHEAPQ AAHGSSPGGLTKVDIRMIDFAHTTYKGYWNEHTTYDGPDPGYIFGLENLIRILQDIQEGE 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- 13C6, 15N4]-L-Arginine and [U- 13C6, 15N2]-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:	NP_473452
RefSeq Size:	2711
RefSeq ORF:	1230
Synonyms:	IHPK3; INSP6K3
Locus ID:	117283

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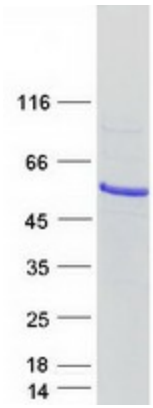
UniProt ID: Q96PC2, Q5TAQ4, A8K1M0

Cytogenetics: 6p21.31

Summary: 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.[provided by RefSeq, Dec 2008]

Protein Families: Druggable Genome

Product images:



Coomassie blue staining of purified IP6K3 protein (Cat# [TP320137]). The protein was produced from HEK293T cells transfected with IP6K3 cDNA clone (Cat# [RC220137]) using MegaTran 2.0 (Cat# [TT210002]).