

Product datasheet for PH305175

IPPK (NM_022755) Human Mass Spec Standard

Product data:

Product Type:	Mass Spec Standards
Description:	IPPK MS Standard C13 and N15-labeled recombinant protein (NP_073592)
Species:	Human
Expression Host:	HEK293
Expression cDNA Clone or AA Sequence:	RC205175
Predicted MW:	56 kDa
Protein Sequence:	>RC205175 protein sequence Red =Cloning site Green =Tags(s)

MEEGKMDENEWGYHGEGNKSLLVVAHAQRCVVLRFKFPNRRKTSEEIFQHLQNIIVDFGKNVMKEFLGEN
 YVHYGEVVQLPLEFVKQLCLKIQSERPESRCDKDLDTLSGYAMCLPNLTRLQTYRFAEHRPILCVEIKPK
 CGFIPFSSDVTHEMKHKVCRYCMHQHLKVATGKWKQISKYCPLDLYSGNKQRMHFALKSLLQEAQNNLKI
 FKNGLIYGCKDARSPVADWSELAAHLKPFFPSNGLASGPHCTRAVIRELVHVITRVLLSGSDKGRAGT
 LSPGLGPQGPVCEASPFSSRLRCQGNTPERSGLPKGCLLYKTLQVQMLDLLDIEGLYPLYNRVERYLE
 EFPEERKTLQIDGPYDEAFYQKLLDLSTEDDGTAFALTKVQQYRVAMTAKDCSIMIALSPCLQDASSDQ
 RPVVPSSRSRFAFSVSVLDLDLKPYESIPHQYKLDGKIVNYYSKTVRAKDNAVMSRFRKESEDCTLVLHK
 V

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_073592</u>
RefSeq Size:	4401
RefSeq ORF:	1473


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Synonyms: bA476B13.1; C9orf12; INSP5K2; IP5K; IPK1

Locus ID: 64768

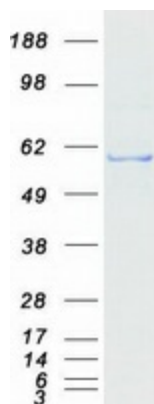
UniProt ID: [Q9H8X2](#)

Cytogenetics: 9q22.31

Summary: The protein encoded by this gene is a kinase that phosphorylates position 2 of inositol-1,3,4,5,6-pentakisphosphate to form inositol-1,2,3,4,5,6-hexakisphosphate (InsP6). InsP6 has a variety of functions, including stimulation of DNA repair, endocytosis, and mRNA export. [provided by RefSeq, Nov 2010]

Protein Pathways: Inositol phosphate metabolism, Metabolic pathways, Phosphatidylinositol signaling system

Product images:



Coomassie blue staining of purified IPPK protein (Cat# [TP305175]). The protein was produced from HEK293T cells transfected with IPPK cDNA clone (Cat# [RC205175]) using MegaTran 2.0 (Cat# [TT210002]).