

Product datasheet for PH309533

Inositol Hexakisphosphate Kinase 2 (IP6K2) (NM_016291) Human Mass Spec Standard

Product data:

Product Type:	Mass Spec Standards
Description:	IP6K2 MS Standard C13 and N15-labeled recombinant protein (NP_057375)
Species:	Human
Expression Host:	HEK293
Expression cDNA Clone or AA Sequence:	RC209533
Predicted MW:	49.3 kDa
Protein Sequence:	>RC209533 protein sequence Red=Cloning site Green=Tags(s)

MSPAFRAMDVEPRAKGVLLPEPFVHQVGGHSCVLRFNETTLCCKPLVPREHQFYETLPAEMRKFTPQYKGVV
SVRFEEDEDRNLCLIAIYPLKGDHGIVDIVDNSDCEPKSKLLRWTTNKKHHVLETEKTPKDWVRQHRKEEK
MKSHKLEEEFEWLKSEVLYYTVEKKWNISSQLKHYNPWSMKCHQQQLQRMKENAKHRNQYKFI LLENLT
SRYEVPCVLDLKMGRQHGDDASEEKAANQIRKCCQSTSAVIGVRVCGMQVYQAGSGQLMFMNKYHGRKL
SVQGFKEALFQFFHNGRYLRRELLGPVLKKLTELKAVLERQESYRFYSSLLVIYDGKERPEVVLDSDAE
DLEDLSEESADESAGAYAYKPIGASSVDVRMIDFAHTTCRLYGEDTVVHEGQDAGYIFGLQSLIDIVTEI
SEESGE

TRTRPLEQKLI SEEDLAANDILDYKDDDDKV

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_057375</u>
RefSeq Size:	1813
RefSeq ORF:	1278
Synonyms:	IHPK2; InsP6K2; PIUS



[View online »](#)

Locus ID: 51447

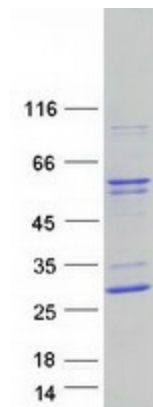
UniProt ID: [Q9UHH9](#), [B2RCP4](#)

Cytogenetics: 3p21.31

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 and affect the growth suppressive and apoptotic activities of interferon-beta in some ovarian cancers. Alternative splicing results in multiple transcript variants encoding different isoforms. [provided by RefSeq, Jul 2008]

Protein Families: Druggable Genome

Product images:



Coomassie blue staining of purified IP6K2 protein (Cat# [TP309533]). The protein was produced from HEK293T cells transfected with IP6K2 cDNA clone (Cat# [RC209533]) using MegaTran 2.0 (Cat# [TT210002]).