

## Product datasheet for TP309533

### Inositol Hexakisphosphate Kinase 2 (IP6K2) (NM\_016291) Human Recombinant Protein

#### Product data:

Product Type:	Recombinant Proteins
Description:	Recombinant protein of human inositol hexakisphosphate kinase 2 (IP6K2), transcript variant 1, 20 µg
Species:	Human
Expression Host:	HEK293T
Expression cDNA Clone or AA Sequence:	>RC209533 protein sequence <b>Red</b> =Cloning site <b>Green</b> =Tags(s)  MSPAFRAMDVEPRAKGVLLPEFVHQVGGHSCVLRFNETTLCCKPLVPREHQFYETLPAEMRKFTPQYKGVV SVRFEEDERNLCLAIYPLKGDHGIVDIVDNSDCEPKSKLLRWTTNKKHHVLETEKPKDWVRQHRKEEK MKSHKLEEEFEWLKSEVLYYTVEKKWNISSQLKHYNPWSMKCHQQQLQRMKENAKHRNQYKFILLENLT SRYEVPCVLDLKMGRQHGDASEEKAANQIRKCQQSTSAVIGVRVCGMQVYQAGSGQLMFMNKYHGRKL SVQGFKEALFQFFHNGRYLRRELLGPVLKKLTELKAVLERQESYRFYSSLLVIYDGKERPEVLDSDAE DLEDLSEESADESAGAYAYKPIGASSVDVRMIDFAHTTCLRYGEDTVVHEGQDAGYIFGLQSLIDIVTEI SEESGE  <b>TRTRPLEQKLISEEDLAANDILDYKDDDDKV</b>
Tag:	C-Myc/DDK
Predicted MW:	49 kDa
Concentration:	>0.05 µg/µL as determined by microplate BCA method
Purity:	> 80% as determined by SDS-PAGE and Coomassie blue staining
Buffer:	25 mM Tris-HCl, 100 mM glycine, pH 7.3, 10% glycerol
Preparation:	Recombinant protein was captured through anti-DDK affinity column followed by conventional chromatography steps.
Note:	For testing in cell culture applications, please filter before use. Note that you may experience some loss of protein during the filtration process.
Storage:	Store at -80°C.
Stability:	Stable for 12 months from the date of receipt of the product under proper storage and handling conditions. Avoid repeated freeze-thaw cycles.



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RefSeq: [NP\\_057375](#)

Locus ID: 51447

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

RefSeq Size: 1813

Cytogenetics: 3p21.31

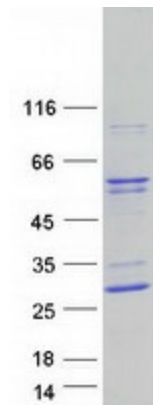
RefSeq ORF: 1278

Synonyms: IHPK2; InsP6K2; PIUS

**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]).