

Recombinant Human IP6K2 Protein, His-tagged

Cat. No. IP6K2-2332H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Human IP6K2 Protein (Arg133-Glu426) with a N-His tag was expressed in E. coli.
Species	Human
Source	E.coli
ProteinLength	Arg133-Glu426
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 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.
Form	Freeze-dried powder
Molecular Mass	Predicted Molecular Mass: 37.6 kDa Accurate Molecular Mass: 42 kDa
Endotoxin	<1.0 EU per 1g (determined by the LAL method).
Purity	> 90%

 Tel: 1-631-559-9269 1-516-512-3133

 Email: info@creative-biomart.com  Fax: 1-631-938-8127

 45-1 Ramsey Road, Shirley, NY 11967, USA

Applications	Positive Control; Immunogen; SDS-PAGE; WB.
Stability	The thermal stability is described by the loss rate. The loss rate was determined by accelerated thermal degradation test, that is, incubate the protein at 37 centigrade for 48h, and no obvious degradation and precipitation were observed. The loss rate is less than 5% within the expiration date under appropriate storage condition.
Storage	Avoid repeated freeze/thaw cycles. Store at 2-8 centigrade for one month. Aliquot and store at -80 centigrade for 12 months.
Storage Buffer	PBS, pH7.4, containing 0.01% SKL, 1mM DTT, 5% Trehalose and Proclin300.
Reconstitution	Reconstitute in PBS or others.

GENE INFORMATION

Gene Name	IP6K2 inositol hexakisphosphate kinase 2 [Homo sapiens (human)]
Official Symbol	IP6K2
Synonyms	IP6K2; inositol hexakisphosphate kinase 2; IHPK2, inositol hexaphosphate kinase 2; insp6 kinase 2; pi uptake stimulator; inositol hexaphosphate kinase 2; ATP:1D-myo-inositol-hexakisphosphate phosphotransferase; PIUS; IHPK2;
Gene ID	51447
mRNA Refseq	NM_001005909
Protein Refseq	NP_001005909
MIM	606992

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UniProt ID

Q9UHH9

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