

## Recombinant Human ITPKA Protein, MYC/DDK-tagged

Cat. No. ITPKA-2641H Lot. No. (See product label)

### SPECIFICATION

**Product Overview** Recombinant Human ITPKA protein, fused to MYC/DDK-tagged at C-terminus, was expressed in HEK293.

**Species** Human

**Source** HEK293

**Description** Regulates inositol phosphate metabolism by phosphorylation of second messenger inositol 1,4,5-trisphosphate to Ins(1,3,4,5)P<sub>4</sub>. The activity of the inositol 1,4,5-trisphosphate 3-kinase is responsible for regulating the levels of a large number of inositol polyphosphates that are important in cellular signaling. Both calcium/calmodulin and protein phosphorylation mechanisms control its activity. It is also a substrate for the cyclic AMP-dependent protein kinase, calcium/calmodulin-dependent protein kinase II, and protein kinase C in vitro.

**Form** 25 mM Tris.HCl, pH 7.3, 100 mM glycine, 10% glycerol.

**Molecular Mass** 50.8 kDa

**Purity** > 80% as determined by SDS-PAGE and Coomassie blue staining

**Concentration** >50 ug/mL as determined by microplate BCA method

### GENE INFORMATION

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

 Email: [info@creative-biomart.com](mailto:info@creative-biomart.com)  Fax: 1-631-938-8127

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



<b>Gene Name</b>	ITPKA inositol-trisphosphate 3-kinase A [ Homo sapiens ]
<b>Official Symbol</b>	ITPKA
<b>Synonyms</b>	IP3-3KA; IP3KA
<b>Gene ID</b>	3706
<b>mRNA Refseq</b>	NM_002220
<b>Protein Refseq</b>	NP_002211
<b>MIM</b>	147521
<b>UniProt ID</b>	P23677

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

 Email: [info@creative-biomart.com](mailto:info@creative-biomart.com)  Fax: 1-631-938-8127

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