

Recombinant Human ITPKA Protein, MYC/DDK-tagged, C13 and N15-labeled

Cat. No. ITPKA-270H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	ITPKA MS Standard C13 and N15-labeled recombinant protein (NP_002211) with a C-terminal MYC/DDK tag, was expressed in HEK293 cells.
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)P4. 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. [provided by RefSeq, Apr 2011]
Molecular Mass	51 kDa
AA Sequence	MTLPGGPTGMARPGGARPCSPGLERAPRRSVGELRLLFEARCAAVAAAAAAGEPR ARGAKRRGGQVPNGLQRAPPAPVIPQLTVTAEEPDPPTSPGPPERERDCLPAAGS SHLQQPRRLSTSSVSSTGSSSLLEDSEDDLLSDSESRSRGNVQLEAGEDVGQKNH WQKIRTMVNLPVISPFKKRYAWVQLAGHTGSFKAAGTSGILKRCSEPERYCLARLM ADALRGCVPAFHGVVERDGESYLQLQDLLDGFDPDCKMGVRTYLEEELTKA

 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

RERPCLRKDMYKKMLAVDPEAPTEEEHAQRAVTKPRYMQWREGISSSTTLGFRIEG
 IKKADGSCSTDFKTTTRSREQVLRVFEEFVQGDEEVLRRYLNRLQQIRDRTLEVSEFFR
 RHEVIGSSLLFVVDHCHHRAGVWLIDFGKTTPLPDGQILDHRRPWEEGNREDGYLLG
 LDNLIGILASLAERTTRTRPLEQKLISEEDLAANDILDYKDDDDKV

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

Stability Stable for 3 months from receipt of products under proper storage and handling conditions.

Storage Store at -80 centigrade. Avoid repeated freeze-thaw cycles.

Concentration 50 µg/mL as determined by BCA

Storage Buffer 100 mM glycine, 25 mM Tris-HCl, pH 7.3.

GENE INFORMATION

Gene Name ITPKA inositol-trisphosphate 3-kinase A [Homo sapiens (human)]

Official Symbol ITPKA

Synonyms ITPKA; inositol-trisphosphate 3-kinase A; inositol 1,4,5 trisphosphate 3 kinase A; IP3 3KA; IP3KA; IP3K A; IP3 3-kinase A; insP 3-kinase A; inositol 1,4,5-trisphosphate 3-kinase A; IP3-3KA;

Gene ID 3706

mRNA Refseq NM_002220

Protein Refseq NP_002211

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

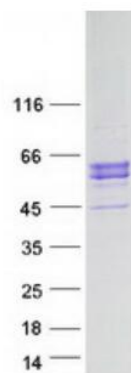
 Email: info@creative-biomart.com  Fax: 1-631-938-8127

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

MIM 147521

UniProt ID P23677

SDS-PAGE



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