

Recombinant Full Length Human ITPKC Protein, C-Flag-tagged

Cat. No. ITPKC-1791HFL **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Full Length Human ITPKC Protein, fused to Flag-tag at C-terminus, was expressed in Mammalian cells.
Species	Human
Source	Mammalian Cells
Description	This gene encodes a member of the inositol 1,4,5-trisphosphate [Ins(1,4,5)P(3)] 3-kinase family of enzymes that catalyze the phosphorylation of inositol 1,4,5-trisphosphate to 1,3,4,5-tetrakisphosphate. The encoded protein is localized to the nucleus and cytoplasm and has both nuclear import and nuclear export activity. Single nucleotide polymorphisms in this gene are associated with Kawasaki disease.
Form	25 mM Tris HCl, pH 7.3, 100 mM glycine, 10% glycerol.
Molecular Mass	75 kDa
AA Sequence	MRRCPCRGSLNEAEAGALPAAARMGLEAPRGRRRQPGQQRP GPGAGAPAGRP EGGGPWARTEGSSLHSE PERAGLG PAPGTESPQAEFWTDGQTEPAAAGLGVETE RPKQKTEPDRSSLRTHLEWSWSELETTCLWTET GTDGLWTDPHRSDLQFQPEEA SPWTQPGVHGPWTELETHGSQTQPERVKSWADNLWTHQNSSSLQTHPEG ACPS KEPSADGSWKELYTDGSRTQQDIEGPWTEPYTDGSQKKQDTEAARKQPGTGGFQI QQDTDGSWTQP STDGSQTAPGTDCLLGEPEDGPLEEPEPGELLTHLYSHLKCSPL CPVPRLIITPETPEPEAQPVGPPSRV EGGSGGFSSASSFDESEDDVAGGGGASDP EDRSGSKPWKKLKTVLKYSPFVVSFRKHYPWVQLSGHAGN FQAGEDGRILKRFCQ

 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

CEQRSLEQLMKDPLRPFVPAYYGMVLQDGQTFNQMEDLLADFEGPSIMDCKMGSR
 TYLEEELVKARERPRPRKDMYEKMVAVDPGAPTPEEHAQGAVTKPRYMQWRETM
 SSTSTLGFRIEGIKKA DGT CNTNFKKTQALEQVTKVLEDFVDGDHVILQKYVACLEEL
 REALEISPFKTHEVVGSSLLFVHDHTG LAKVWMIDFGKTVALPDHQTLSHRLPWAE
 GNREDGYLWGLDNMICLLQGLAQS TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Purity	> 80% as determined by SDS-PAGE and Coomassie blue staining.
Stability	Stable for 12 months from the date of receipt of the product under proper storage and handling conditions. Avoid repeated freeze-thaw cycles.
Storage	Store at -80 centigrade.
Concentration	>50 ug/mL as determined by microplate BCA method.
Preparation	Recombinant protein was captured through anti-DDK affinity column followed by conventional chromatography steps.
Protein Families	Druggable Genome
Full Length	Full L.

GENE INFORMATION

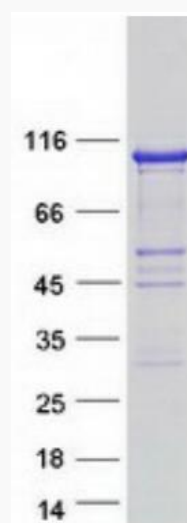
Gene Name	ITPKC inositol-trisphosphate 3-kinase C [Homo sapiens (human)]
Official Symbol	ITPKC
Synonyms	IP3KC; IP3-3KC
Gene ID	80271

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mRNA Refseq	NM_025194.3
Protein Refseq	NP_079470.1
MIM	606476
UniProt ID	Q96DU7



Coomassie blue staining of purified ITPKC protein.