

Recombinant Human ITPKC Protein, Myc/DDK-tagged, C13 and N15-labeled

Cat. No. ITPKC-4903H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	ITPKC MS Standard C13 and N15-labeled recombinant protein (NP_079470) with a C-terminal MYC/DDK tag, was expressed in HEK293 cells.
Species	Human
Source	HEK293
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.
Molecular Mass	75.2 kDa
AA Sequence	<p>MRRCPGRGSLNEAEAGALPAAARMGLEAPRGGRRRQPGQQRPGPGAGAPAGRP EGGGPWARTEGSSLHSEPERAGLGPAPGTESPQAEFWTDGQTEPAAAGLGVETE RPKQKTEPDRSSLRTHLEWSWSELETTCLWTETGTDGLWTDPHRSDLQFQPEEAS PWTQPGVHGPWTELETHGSQTQPERVKSADNLWTHQNSSSLQTHPEGACPSKE PSADGSWKELYTDGSRQQDIEGPWTEPYTDGSQKKQDTEAARKQPGTGGFQIQQ DTDGSWTQPSTDGSQTAPGTDCLLGEPEPDPLEPEPEGELLTHLYSHLKCSPLCPV PRLIITPETPEPEAQVGPSPSRVEGGSGGFSSASSFDESEDDVAGGGGASDPEDR SGSKPWKLLKTVLKYSFVVSFRKHYPWVQLSGHAGNFQAGEDGRILKRFCQCEQ</p>

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RSLEQLMKDPLRPFVPAYYGMVLQDGQTFNQMEDLLADFEGPSIMDCKMGSRTYL
 EEELVKARERPRPRKDMYEKMVAVDPGAPTPEEHAQGAVTKPRYMQWRETMSST
 STLGFRIEGIKKADGTCNTNFKKTQALEQVTKVLEDFVDGDHVILQKYVACLEELREA
 LEISPFKTHEVVGSSLLFVHDHTGLAKVWMIDFGKTVALPDHQTLSHRLPWAEGNR
 EDGYLWGLDNMICLLQGLAQSTRTRPLEQKLISEEDLAANDILDYKDDDDKV

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 ITPKC inositol-trisphosphate 3-kinase C [Homo sapiens (human)]

Official Symbol ITPKC

Synonyms ITPKC; inositol-trisphosphate 3-kinase C; inositol 1,4,5 trisphosphate 3 kinase C; IP3 3KC; IP3KC; IP3K C; IP3 3-kinase C; InsP 3 kinase C; insP 3-kinase C; inositol 1,4,5-trisphosphate 3-kinase C; IP3-3KC;

Gene ID 80271

mRNA Refseq NM_025194

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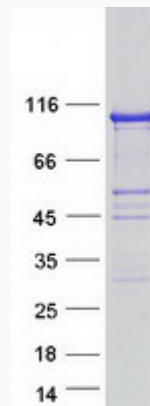
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Protein Refseq NP_079470

MIM 606476

UniProt ID Q96DU7

SDS-PAGE



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