

Recombinant Full Length Human ITPKC Protein, GST-tagged

Cat. No. ITPKC-5843HF Lot. No. (See product label)

SPECIFICATION

Product Overview	Human ITPKC full-length ORF (NP_079470.1, 1 a.a. - 683 a.a.) recombinant protein with GST-tag at N-terminal.
Species	Human
Source	In Vitro Cell Free System
ProteinLength	683 amino acids
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	101.6 kDa
AA Sequence	MRRCPCRGSLNEAEAGALPAAARMGLEAPRGGRRRQPGQQRPGPAGAPAGRP EGGGPWARTEGSSLHSEPERAGLGPAPGTESPQAEFWTDGQTEPAAAGLGVETE RPKQKTEPDRSSLRTHLEWSWSELETTCLWTETGTDGLWTDPHRSDLQFQPEEAS PWTQPGVHGPWTELETHGSQTQPERVKSADNLWTHQNSSSLQTHPEGACPSKE PSADGSWKELYTDGSRTQQDIEGPWTEPYTDGSQKKQDTEAARKQPGTGGFQIQQ DTDGSWTQPSTDGSQTAPGTDCLLGEPEPDPLEPEPEGELLTHLYSHLKCSPLCPV PRLIITPETPEPEAQVGPVPSRVEGGSGGFSSASSFDESEDDVVAGGGGASDPEDR SGSKPWKCLKTVLKYSFVVSFRKHYPVWQLSGHAGNFQAGEDGRILKRFCQCEQ

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RSLEQLMKDPLRPFVPAYYGMVLQDGQTFNQMEDLLADFEGPSIMDCKMGSRTYL
 EEELVKARERPRPRKDMYEKMVAVDPGAPTPEEHAQGAVTKPRYMQWRETMSST
 STLGFRIEGIKKADGTCNTNFKKTQALEQVTKVLEDFVDGDHVILQKYVACLEELREA
 LEISPFKTHEVVGSSLLFVHDHTGLAKVWMIDFGKTVALPDHQTLSHRLPWAEGNR
 EDGYLWGLDNMICLLQGLAQS

Applications
 Enzyme-linked Immunoabsorbent Assay
 Western Blot (Recombinant protein)
 Antibody Production
 Protein Array

Notes Best use within three months from the date of receipt of this protein.

Storage Store at -80 centigrade. Aliquot to avoid repeated freezing and thawing.

Storage Buffer 50 mM Tris-HCl, 10 mM reduced Glutathione, pH=8.0 in the elution buffer.

GENE INFORMATION

Gene Name [ITPKC inositol-trisphosphate 3-kinase C \[Homo sapiens \]](#)

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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Protein Refseq NP_079470

MIM 606476

UniProt ID Q96DU7

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