

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	MRRCPCRGSLNEAEAGALPAAARMGLEAPRGRRRQPGQQRP GPGAGAPAGRP EGGGPWARTEGSSLHSEPERAGLG PAPGTESPQAEFWTDGQTEPAAAGLGVETE RPKQKTEPDRSSLRTHLEWSWSELETTCLWTETGTDGLWTDPHRSDLQFQPEEAS PWTQPGVHGPPWTELETHGSQTQPERVKSWADNLWTHQNSSSLQTHPEGACPSKE PSADGSWKELYTDGSRTQQDIEGPWTEPYTDGSQKKQDTEAARKQPGTGGFQIQQ DTDGSWTQPSTDGSQTAPGTDCLLGEPEDGPLEEPEPGELLTHLYSHLKCSPLCPV PRLIITPETPEPEAQPVGPPSRVEGGSGGFSSASSFDESEDDVVAGGGGASDPEDR SGSKPWKKLKTVLKYSPFVVSFRKHYPWWQLSGHAGNFAQAGEDGRILKRFCQCEQ

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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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