

Recombinant Human ITPKC cell lysate

Cat. No. ITPKC-884HCL Lot. No. (See product label)

SPECIFICATION

Species

Human

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

Size

100 ul

Storage Buffer

1X Sample Buffer (50 mM Tris-HCl, 2% SDS, 10% glycerol, 300 mM 2-mercaptoethanol, 0.01% Bromophenol blue)

Applications

Western Blot;

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;

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Gene ID	80271
mRNA Refseq	NM_025194
Protein Refseq	NP_079470
MIM	606476
UniProt ID	Q96DU7
Chromosome Location	19q13.1
Pathway	1D-myo-inositol hexakisphosphate biosynthesis II (mammalian), organism-specific biosystem; 1D-myo-inositol hexakisphosphate biosynthesis II (mammalian), conserved biosystem; D-myo-inositol (1,3,4)-trisphosphate biosynthesis, organism-specific biosystem; D-myo-inositol (1,3,4)-trisphosphate biosynthesis, conserved biosystem; superpathway of D-myo-inositol (1,4,5)-trisphosphate metabolism, organism-specific biosystem; superpathway of D-myo-inositol (1,4,5)-trisphosphate metabolism, conserved biosystem; superpathway of inositol phosphate compounds, organism-specific biosystem;
Function	ATP binding; calmodulin binding; inositol-1,4,5-trisphosphate 3-kinase activity; kinase activity; nucleotide binding; transferase activity;

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