

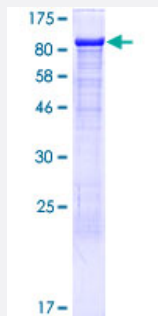
Full-Length

ITPKC (Human) Recombinant Protein (P01)

Catalog # H00080271-P01

Size 25 ug, 10 ug

Applications



Specification

Product Description

Human ITPKC full-length ORF (NP_079470.1, 1 a.a. - 683 a.a.) recombinant protein with GST-tag at N-terminal.

Sequence

MRRCPCRGSLNEAEAGALPAAARMGLEAPRGGRRRQPGQQRPGPGAGAPAGRPEGGGPWAR
TEGSSLHSEPERAGLGPAAGTESPQAEFWTDGQTEPAAAGLVETERPKQKTEPDRSSLRTHL
EWSWSELETTCLWTETGTDGLWTDPHRSDLQFQPEEASPWTPGVHGPWTELETHGSQTQPE
RVKSWADNLWTHQNSSLQTHPEGACPSKEPSADGSWKELYTDGSRTQQDIEGPWTEPYTDG
SQKKQDTEAARKQPGTGGFQIQDQDTSWTQPSDGSQTAPGTDCLLGEPEDGPLEEPEPGEL
LTHLYSHLKCSPVLPVRLIITPETPEPEAQVGPSPRVEGGSGGFSSASSFDESEDDVVAGGG
GASDPEDRSGSKPWKKLKTVLKYSPFVVSFRKHYPWVQLSGHAGNFQAGEDGRILKRFCQCEQ
RSLEQLMKDPLRPFVPAYYGMVLQDQGTQFNQMEDLLADFEGPSIMDCKMGSRTYLEEELVKARE
RPRPRKDMYEKMAVDPGAPTPEEHAQGAVTKPRYMQWRETMSSTSTLGFRIEIKKADGTCNT
NFKKTQALEQVTKVLEDFVDGDHVLQKYVACLEELREALEISPFKTHEVVGSSLLFVHDHTGLA
KVWMIDFGKTVALPDHQTLSHRLPWAEGNREDGYLWGLDNMICLLQGLAQS

Host

Wheat Germ (in vitro)

Theoretical MW (kDa)

101.6

Interspecies Antigen Sequence

Mouse (75); Rat (75)

Preparation Method

[in vitro wheat germ expression system](#)

Purification	Glutathione Sepharose 4 Fast Flow
Quality Control Testing	12.5% SDS-PAGE Stained with Coomassie Blue.
Storage Buffer	50 mM Tris-HCl, 10 mM reduced Glutathione, pH=8.0 in the elution buffer.
Storage Instruction	Store at -80°C. Aliquot to avoid repeated freezing and thawing.
Note	Best use within three months from the date of receipt of this protein.

Applications

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

Gene Info — ITPKC

Entrez GeneID	80271
GeneBank Accession#	NM_025194.2
Protein Accession#	NP_079470.1
Gene Name	ITPKC
Gene Alias	IP3KC
Gene Description	inositol 1,4,5-trisphosphate 3-kinase C
Omim ID	606476
Gene Ontology	Hyperlink
Gene Summary	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
Other Designations	-

Disease

- [Mucocutaneous Lymph Node Syndrome](#)
- [Tobacco Use Disorder](#)