

Product datasheet for PH309200

IP3KC (ITPKC) (NM_025194) Human Mass Spec Standard

Product data:

Product Type:	Mass Spec Standards
Description:	ITPKC MS Standard C13 and N15-labeled recombinant protein (NP_079470)
Species:	Human
Expression Host:	HEK293
Expression cDNA Clone or AA Sequence:	RC209200
Predicted MW:	75.2 kDa
Protein Sequence:	>RC209200 protein sequence Red=Cloning site Green=Tags(s)

MRRCPGRSLNEAEAGALPAAARMGLEAPRGGRRRQPGQQRPGGAGAPAGRPEGGGPWARTEGSSLHSE
PERAGLGPAPGTESPQAEFWTDGQTEPAAAGLVETERPKQKTEPDRSSLRTHLEWSWELETTCLWTET
GTDGLWTDPHRSDLQFQPEEASPWTQPGVHGPWTELETHGSQTQPERVKSWADNLWTHQNSSSLQTHPEG
ACPSKEPSADGSWKELYTDGSRQQDIEGPWTEPYTDGSGKKQDTEAARKQPGTGGFQIQDQDGSWTQP
STDGSGTAPGTDCLLGEPEDEGPLEEPEPEGELLTHLYSHLKCSPVPRLIITPETPEPEAQVGGPPSRV
EGGSGGFSSASSFDESEDDVVAGGGGASDPEDRSGSKPWKLLKTVLKYSFVVSFRKHYPWVQLSGHAGN
FQAGEDGRILKRFQCEQRSLEQLMKDPLRPFVPAYYGMVLQDGQTFNQMEDLLADFEGPSIMDCKMGRS
TYLEEELVKARERPRPRKDMYEKMVAVDPGAPTEEHAQAVTKPRYMQRWRETMSSTSTLGFRIEIKKA
DGT CNTNFKKTQALEQVTKVLEDFVDGDHVILQKYVACLEELREALEISPFKTHEVVGSSLLFVHDHTG
LAKVVMIDFGKTVALPDHQLSHRLPWAEGNREDGYLWGLDNMICLLQGLAQS

TRTRPLEQKLI SEEDLAANDILDYKDDDDKV

Tag:	C-Myc/DDK
Purity:	> 80% as determined by SDS-PAGE and Coomassie blue staining
Concentration:	>0.05 µg/µL as determined by microplate BCA method
Labeling Method:	Labeled with [U- 13C6, 15N4]-L-Arginine and [U- 13C6, 15N2]-L-Lysine
Buffer:	25 mM Tris-HCl, 100 mM glycine, pH 7.3
Storage:	Store at -80°C. Avoid repeated freeze-thaw cycles.
Stability:	Stable for 3 months from receipt of products under proper storage and handling conditions.
RefSeq:	NP_079470
RefSeq Size:	3398



[View online »](#)

RefSeq ORF: 2049

Synonyms: IP3-3KC; IP3KC

Locus ID: 80271

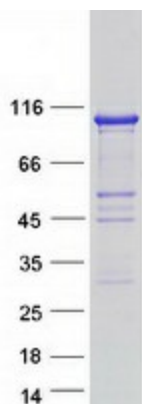
UniProt ID: [Q96DU7](#), [A8MUS2](#), [A0A024R0N8](#)

Cytogenetics: 19q13.2

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.[provided by RefSeq, Sep 2009]

Protein Families: Druggable Genome

Product images:



Coomassie blue staining of purified ITPKC protein (Cat# [TP309200]). The protein was produced from HEK293T cells transfected with ITPKC cDNA clone (Cat# [RC209200]) using MegaTran 2.0 (Cat# [TT210002]).