

Datasheet for ABIN7548518  
**ITPKC Protein (AA 1-683) (His tag)**



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## Overview

Quantity:	1 mg
Target:	ITPKC
Protein Characteristics:	AA 1-683
Origin:	Human
Source:	HEK-293 Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This ITPKC protein is labelled with His tag.

## Product Details

Purpose:	Custom-made recombinant ITPKC Protein expressed in mammalian cells.
Sequence:	MRRPCPCRGSL NEAEAGALPA AARMGLEAPR GGRRRQPGQQ RPGPGAGAPA GRPEGGGPWA RTEGSSLHSE PERAGLGAPAP GTESPQAEFW TDGQTEPAAA GLGVETERPK QKTEPDRSSL RTHLEWSWSE LETTCLWTET GTDGLWTDPH RSDLQFQPEE ASPWTQPGVH GPWTELETHG SQTQPERVKS WADNLWTHQN SSSLQTHPEG ACPSKEPSAD GSWKELYTDG SRTQQDIEGP WTEPYTDGSQ KKQDTEAARK QPGTGGFQIQ QDTDGSWTQP STDGSQTAPG TDCLLGEPED GPLEEPEPGE LLTHLYSHLK CSPLCPVPRL IIPETPEPE AQPVGPPSRV EGGSGGFSSA SSFDESEDDV VAGGGGASDP EDRSGSKPWK KLKTVLKYSP FVVSFRKHYP WVQLSGHAGN FQAGEDGRIL KRFCQCEQRS LEQLMKDPLR PFVPAYYGMV LQDGQTFNQM EDLLADFEQP SIMDCKMGSR TYLEEELVKA RERPRPRKDM YEKMVAVDPG APTPEEHAQG AVTKPRYMQW RETMSSTSTL GFRIEGIKKA DGCNTNFKK TQALEQVTKV LEDFVDGDHV ILQKYVACLE ELREALEISP FFKTHEVVGSL LLLFVHDHTG LAKVWMIDFG KTVLDPDHTG LSHRLPWAEG NREDGYLWGL DNMICLLQGL AQS <b>Sequence without tag. The proposed Purification-Tag is</b>

## Product Details

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**based on experiences with the expression system, a different complexity of the protein could make another tag necessary. In case you have a special request, please contact us.**

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Specificity: If you are looking for a specific domain and are interested in a partial protein or a different isoform, please contact us regarding an individual offer.

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Characteristics: Key Benefits:

- Made to order protein - from design to production - by highly experienced protein experts.
- Protein expressed in mammalian cells and purified in one-step affinity chromatography
- The optimized expression system ensures reliability for intracellular, secreted and transmembrane proteins.
- State-of-the-art algorithm used for plasmid design (Gene synthesis).

This protein is a made-to-order protein and will be made for the first time for your order. Our experts in the lab try to ensure that you receive soluble protein.

If you are not interested in a full length protein, please contact us for individual protein fragments.

The big advantage of ordering our made-to-order proteins in comparison to ordering custom made proteins from other companies is that there is no financial obligation in case the protein cannot be expressed or purified.

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Purity: > 90 % as determined by Bis-Tris PAGE, anti-tag ELISA, Western Blot and analytical SEC (HPLC)

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Grade: custom-made

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## Target Details

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Target: ITPKC

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Alternative Name: ITPKC ([ITPKC Products](#))

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Background: Inositol-trisphosphate 3-kinase C (EC 2.7.1.127) (Inositol 1,4,5-trisphosphate 3-kinase C) (IP3 3-kinase C) (IP3K C) (InsP 3-kinase C),FUNCTION: Catalyzes the phosphorylation of 1D-myo-inositol 1,4,5-trisphosphate (InsP3) into 1D-myo-inositol 1,3,4,5-tetrakisphosphate and participates to the regulation of calcium homeostasis (PubMed:11085927, PubMed:12747803). Can phosphorylate inositol 2,4,5-triphosphate to inositol 2,4,5,6-tetraphosphate (By similarity). {ECO:0000250|UniProtKB:Q80ZG2, ECO:0000269|PubMed:11085927, ECO:0000269|PubMed:12747803}.

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Molecular Weight: 75.2 kDa

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## Target Details

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UniProt: [Q96DU7](#)

## Application Details

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Application Notes: We expect the protein to work for functional studies. As the protein has not been tested for functional studies yet we cannot offer a guarantee though.

Restrictions: For Research Use only

## Handling

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Format: Liquid

Buffer: The buffer composition is at the discretion of the manufacturer.

Handling Advice: Avoid repeated freeze-thaw cycles.

Storage: -80 °C

Storage Comment: Store at -80°C.

Expiry Date: 12 months