

Datasheet for ABIN7548582  
**ITPKB Protein (AA 1-946) (His tag)**



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## Overview

Quantity:	1 mg
Target:	ITPKB
Protein Characteristics:	AA 1-946
Origin:	Human
Source:	HEK-293 Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This ITPKB protein is labelled with His tag.
Application:	Western Blotting (WB), SDS-PAGE (SDS)

## Product Details

Purpose:	Custom-made recombinat ITPKB Protein expressed in mammalien cells.
Sequence:	<p>MAVYCYALNS LVIMNSANEM KSGGGPGPSG SETPPPPRRA VLSPGSVFSP GRGASFLFPP  AELSPEEPR SPGGWRSRRL RLNSSSGSGS GSSGSSVSSP SWAGRLRGDR QQVVAAGTLS  PPGPPEAKRK LRILQRELQN VQVNQKVGGMF EAHIQAQSSA IQAPRSPRLG RARSPSPCPF  RSSHQPPGRV LVQGARSEER RTKSWGEQCP ETSGTDSGRK GGPSLCSSQV KKGMPPLPGR  AAPTGSEAQG PSAFVRMEKG IPASPRCGSP TAMEIDKRGS PTPGTRSCLA PSLGLFGASL  TMATEVAARV TSTGPHRPQD LALTEPSGRA RELEDLQPPE ALVERQQQFL GSETSPAPER  GGPRDGEPPG KMGKGYLPCG MPGSGEPEVG KRPEETTVSV QSAESSDSLWSRLPRALAS  VGPEEARSGA PVGGGRWQLS DRVEGGSPTL GLLGGSPSAQ PGTGNVEAGI PSGRMLEPLP  CWDAAKDLKE PQCPPGDRVG VQPGNSRVWQ GTMEKAGLAW TRGTGVQSEG TWESQRQDSD  ALPSELLPQ DPDKPFLRKA CSPSNIPAVI ITDMGTQEDG ALEETQGSPR GNLPLRKLSS  SSASSTGFSS SYEDSEEDIS SDPERTLDPN SAFLHTLDQQ KPRVSKSWRK IKNMVHWSPP</p>

## Product Details

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VMSFKKKYPW IQLAGHAGSF KAAANGRILK KHCESEQRCL DRLMVDVLRP FVPAYHGDVV  
KDGERYNQMD DLLADFDSPC VMDCKMGIRT YLEELTKAR KKPSLRKDMY QKMIEVDPEA  
PTEEEKAQRA VTKPRYMQRW ETISSTATLG FRIEGIKKED GTVNRDFKKT KTREQVTEAF  
REFTKGNHNI LIAYRDRLKA IRTTLEVSPF FKCHEVIGSS LLFIHDKKEQ AKVWMIDFGK  
TTPLPEGQTL QHDVPWQEGN REDGYLSGLN NLVDILTEMS QDAPLA **Sequence without tag.**

**The proposed Purification-Tag is 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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### 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, Western Blot

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### Grade:

custom-made

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## Target Details

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### Target:

ITPKB

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### Alternative Name:

ITPKB ([ITPKB Products](#))

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### Background:

Inositol-trisphosphate 3-kinase B (EC 2.7.1.127) (Inositol 1,4,5-trisphosphate 3-kinase B) (IP3 3-kinase B) (IP3K B) (InsP 3-kinase B),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. {ECO:0000269|PubMed:11846419, ECO:0000269|PubMed:12747803, ECO:0000269|PubMed:1654894}.

## Target Details

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Molecular Weight: 102.4 kDa

UniProt: [P27987](#)

## Application Details

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Application Notes: In addition to the applications listed above we expect the protein to work for functional studies as well. 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