

Datasheet for ABIN7548534  
**ITPKA Protein (AA 1-461) (His tag)**



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## Overview

Quantity:	1 mg
Target:	ITPKA
Protein Characteristics:	AA 1-461
Origin:	Human
Source:	HEK-293 Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This ITPKA protein is labelled with His tag.
Application:	SDS-PAGE (SDS), Western Blotting (WB)

## Product Details

Purpose:	Custom-made recombinat ITPKA Protein expressed in mammalian cells.
Sequence:	<p>MTLPGGPTGM ARPGGARPCS PGLERAPRRS VGELRLLFEA RCAA VAAAAA AGEPRARGAK  RRGGQVPNGL PRAPPAPVIP QLTVTAEEDP VPPTSPGPPE RERDCLPAAG SSSLQPPRL  STSSVSSTGS SLLDESED LLSDESRSR GNVQLEAGED VGQKNHWQKI RTMVNLPVIS  PFFKRYAWVQ LAGHTGSFKA AGTSGILIKR CSEPERYCLA RLMADALRGC VPAFHGVVER  DGESYLQLQD LLDGFDGPCV LDCKMGVRTY LEEELTKARE RPKLRKDMYK KMLAVDPEAP  TEEEHAQRAV TKPRYMQWRE GISSSTTLGF RIEGIKKADG SCSTDFKTTR SREQVLRVFE  EFVQGDDEVL RRYLNRLQKI RDTLEVSEFF RRHEVIGSSL LFVHDHCHRA GVWLIDFGKT  TPLPDGQILD HRRPWEEG NR EDGYLLGLDN LIGILASLAE R</p> <p><b>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.</b></p>

## Product Details

Characteristics:	<div>Key Benefits:</div> <ul style="list-style-type: none"><li>• Made to order protein - from design to production - by highly experienced protein experts.</li><li>• Protein expressed in mammalian cells and purified in one-step affinity chromatography</li><li>• The optimized expression system ensures reliability for intracellular, secreted and transmembrane proteins.</li><li>• State-of-the-art algorithm used for plasmid design (Gene synthesis).</li></ul>
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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.

Purity:	> 90 % as determined by Bis-Tris Page, Western Blot
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Grade:	custom-made
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## Target Details

Target:	ITPKA
Alternative Name:	ITPKA ( <a href="#">ITPKA Products</a> )
Background:	Inositol-trisphosphate 3-kinase A (EC 2.7.1.127) (Inositol 1,4,5-trisphosphate 3-kinase A) (IP3 3-kinase A) (IP3K A) (InsP 3-kinase A),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:12747803, ECO:0000269 PubMed:15350214, ECO:0000269 PubMed:1847047}.
Molecular Weight:	51.0 kDa
UniProt:	<a href="#">P23677</a>

## Application Details

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.
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Application Details

Restrictions: For Research Use only

Handling

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