

Datasheet for ABIN7563731  
**PAK6 Protein (AA 1-682) (His tag)**



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## Overview

Quantity:	1 mg
Target:	PAK6
Protein Characteristics:	AA 1-682
Origin:	Mouse
Source:	HEK-293 Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This PAK6 protein is labelled with His tag.

## Product Details

Purpose:	Custom-made recombinant Pak6 Protein expressed in mammalian cells.
Sequence:	<p>MFRKKKKKRP EISAPQNFQH RVHTSFDPK E GKFVGLPPQW QNILDTLRRP KPVVDPSRIT  RVQLQPMKTV VRGSSVPTEG YISGLLNDIQ KLSVISSNTL RGRSPTSRRR AQLGLLGDD  QWAADPDMYL QSPQSEHTDP HGLYLSCNGG TPAGHRQVPW PEPQSPQALP NGMAAKAQLS  GPAEFQGASQ RCLQQLGACL QSSPPGTSPP MATGRRGVKV AKHSSEEARP QSCLVGS AIG  RPGGEGSPSP KNQESSLKHR LFRSMFLSTP ATGAASSSKP VPLPQNKPNS AFRPPQKDSS  SNLVAKAQLS PSEQPMGTFS PLTTSDTSSP QKSLRTAPAA GPLPGRSSPA GSPRTRHAQI  STSNLYLPQD PTVAKGALGG EDTGIVTHEQ FKAALRMVVD QGDPRLLLDS YVKIGEGSTG  IVCLAREKHS GRQVAVKMMD LRKQQRRELL FNEVVIMRDY QHLNVVEMYK SYLVGEELWV  LMEFLQGGAL TDIISQVRLN EEQIATVCEA VLQALAYLHA QGVIHRDIKS DSILLTLDGR  VKLSDFGFCA QISKDVPKRK SLVGTPYWMA PEVISRSLYA TEVDIWSLGI MVIEMVDGEP  PYFSDSPVQA MKRLRDSAPP KLNKSYKVSP VLRDFLDRML VREPQERATA QELLDHPFL  QTGLPECLVP LIQLYRKQTS TC <b>Sequence without tag. The proposed Purification-Tag is</b></p>

## 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: PAK6

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Alternative Name: Pak6 ([PAK6 Products](#))

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Background: Serine/threonine-protein kinase PAK 6 (EC 2.7.11.1) (p21-activated kinase 6) (PAK-6),FUNCTION: Serine/threonine protein kinase that plays a role in the regulation of gene transcription. The kinase activity is induced by various effectors including AR or MAP2K6/MAPKK6. Phosphorylates the DNA-binding domain of androgen receptor/AR and thereby inhibits AR-mediated transcription. Inhibits also ESR1-mediated transcription. May play a role in cytoskeleton regulation by interacting with IQGAP1. May protect cells from apoptosis through phosphorylation of BAD (By similarity). {ECO:0000250}.

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Molecular Weight: 74.9 kDa

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## Target Details

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UniProt: [Q3ULB5](#)

## 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