

Datasheet for ABIN7564479

PAK7 Protein (AA 1-719) (His tag)



[Go to Product page](#)

Overview

Quantity:	1 mg
Target:	PAK7
Protein Characteristics:	AA 1-719
Origin:	Mouse
Source:	HEK-293 Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This PAK7 protein is labelled with His tag.

Product Details

Purpose:	Custom-made recombinant Pak5 Protein expressed in mammalian cells.
Sequence:	<p>MFGKKKKKIE ISGPSNFEHR VHTGFDPQEQ KFTGLPQQWH SLLADTANRP KPMVDPSCIT</p> <p>PIQLAPMKTI VRGNKCKET SINGLLEDFD NISVTRSNSL RKESPPTPDQ GAASRIQGHS</p> <p>EENGFITFSQ YSSESDTTAD YTTEKYRDRS LYGDDLDLYY KSSHAQKNG HAMKMKHGDA</p> <p>YYPEMKSLKT DLAGFPVDYH THLDSLRLKSS EYGDLRWDYQ RASSSSPLDY SFQLTPSRTA</p> <p>GTSRCSKESL AYSESDWGFS LDDYDRRPSK SYLHQTSPQP AMRQRSKSGS GLQEPMMPFQ</p> <p>ASAFKTHPQG HSYNSYTYPR LSEPTMCIPK VDYDRAQMV SPPLSGSDTY PRGPTKLPQS</p> <p>QSKAGYSSGS HQYPSGYHKA SLYHHPSLQT SSQYISTASY LSSLSISSST YPPPSWGSSS</p> <p>DQQPSRVSH QFRAALQLVV SPGDPREYLD NFIKIGEGST GIVCIATEKH TGKQVAVKKM</p> <p>DLRKQQRREL LFNEVVIMRD YHHDNVVDMY NSYLVGDELW VVMEFLEGA LTDIVTHTRM</p> <p>NEEQIATVCL SVLKALSYLH NQGVHHRDIK SDSILLTSDG RIKLSDFGFC AQVSKEVPKR</p> <p>KSLVGTPYWM APEVISRLPY GTEVDIWSLG IMVIEMIDGE PPYFNEPPLQ AMRRIRDSL</p> <p>PRVKDLHKVS SMLRGFLDLM LVREPSQRAT AQELLGHPFL KLAGPPSCIV PLMRQYRHH</p>

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.

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.

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.

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

Grade: custom-made

Target Details

Target: PAK7

Alternative Name: Pak5 ([PAK7 Products](#))

Background: Serine/threonine-protein kinase PAK 5 (EC 2.7.11.1) (p21-activated kinase 5) (PAK-5) (p21-activated kinase 7) (PAK-7),FUNCTION: Serine/threonine protein kinase that plays a role in a variety of different signaling pathways including cytoskeleton regulation, cell migration, proliferation or cell survival. Activation by various effectors including growth factor receptors or active CDC42 and RAC1 results in a conformational change and a subsequent autophosphorylation on several serine and/or threonine residues. Phosphorylates the proto-oncogene RAF1 and stimulates its kinase activity. Promotes cell survival by phosphorylating the BCL2 antagonist of cell death BAD. Phosphorylates CTNND1, probably to regulate

Target Details

	cytoskeletal organization and cell morphology. Keeps microtubules stable through MARK2 inhibition and destabilizes the F-actin network leading to the disappearance of stress fibers and focal adhesions (By similarity). {ECO:0000250, ECO:0000269 PubMed:11756552}.
Molecular Weight:	80.9 kDa
UniProt:	Q8C015

Application Details

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

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