

Recombinant Full Length Human PAK6 Protein, GST-tagged

Cat. No. PAK6-704HF **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant full length Human PAK6(1 a.a. - 681 a.a.) fused with GST tag at N-terminal was expressed in Wheat Germ.
Species	Human
Source	In Vitro Cell Free System
ProteinLength	681 amino acids
Description	This gene encodes a member of a family of p21-stimulated serine/threonine protein kinases, which contain an amino-terminal Cdc42/Rac interactive binding (CRIB) domain and a carboxyl-terminal kinase domain. These kinases function in a number of cellular processes, including cytoskeleton rearrangement, apoptosis, and the mitogen-activated protein (MAP) kinase signaling pathway. The protein encoded by this gene interacts with androgen receptor (AR) and translocates to the nucleus, where it is involved in transcriptional regulation. Changes in expression of this gene have been linked to prostate cancer. Alternative splicing results in multiple transcript variants
Form	50 mM Tris-HCl, 10 mM reduced Glutathione, pH=8.0 in the elution buffer.
Molecular Mass	101.3 kDa
AA Sequence	MFRKKKKKRP EISAPQNFQH RVHTSFDPE GKFVGLPPQW QNILDTLRRP KPVVDPSRIT RVQLQPMKTV VRGSAMPVDG YISGLLNDIQ KLSVISSNTL

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RGRSPTSRRR AQSLGLLGDE HWATDPDMYL QSPQSERTDP HGLYLSCNGG
 TPAGHKQMPW PEPQSPRVLP NGLAAKAQSL GPAEFQGASQ RCLQLGACLQ
 SSPPGASPPT GTNRHGMKAA KHGSEEARPQ SCLVGSATGR PGGEGSPSPK
 TRESSLKRRL FRSMFLSTAA TAPPSSSKPG PPPQSKPNSS FRPPQKDNPP
 SLVAKAQSLP SDQPVGTFSP LTTSSTSSPQ KSLRTAPATG QLPGRSSPAG
 SPRTWHAQIS TSNLYLPQDP TVAKGALAGE DTGVVTHEQF KAALRMVVDQ
 GDPRLLLDSY VKIGEGSTGI VCLAREKHSG RQVAVKMMDL RKQQRRELLF
 NEVVIMRDYQ HFNVVEMYKS YLVGEELWVL MEFLQGGALT DIVSQVRLNE
 EQIATVCEAV LQALAYLHAQ GVIHRDIKSD SILLTDGRV KLSDFGFCAQ
 ISKDVPKRKS LVGTPYWMAP EVISRSLYAT EVDIWSLIGIM VIEMVDGEP
 YFSDSPVQAM KRLRDSPPPK LKNSHKVSPV LRDFLERMLV RDPQERATAQ
 ELLDHPFLLQ TGLPECLVPL IQLYRKQTST C

Applications Enzyme-linked Immunoabsorbent Assay; Western Blot (Recombinant protein);
 Antibody Production; Protein Array

Storage Store at -80 centigrade. Aliquot to avoid repeated freezing and thawing.

GENE INFORMATION

Gene Name [PAK6 p21 protein \(Cdc42/Rac\)-activated kinase 6 \[Homo sapiens \]](#)

Official Symbol [PAK6](#)

Synonyms PAK6; p21 protein (Cdc42/Rac)-activated kinase 6; p21(CDKN1A) activated kinase 6;
 serine/threonine-protein kinase PAK 6; PAK5; PAK-5; PAK-6; p21-activated kinase 6;
 p21(CDKN1A)-activated kinase 6; p21-activated protein kinase 6

Gene ID [56924](#)

mRNA Refseq [NM_020168](#)

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Protein Refseq	NP_064553
MIM	608110
UniProt ID	Q9NQU5

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