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 RVHTSFDPKE 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 LTTSDTSSPQ KSLRTAPATG QLPGRSSPAG SPRTWHAQIS TSNLYLPQDP TVAKGALAGE DTGVVTHEQF KAALRMVVDQ GDPRLLLDSY VKIGEGSTGI VCLAREKHSG RQVAVKMMDL RKQQRRELLF NEVVIMRDYQ HFNVVEMYKS YLVGEELWVL MEFLQGGALT DIVSQVRLNE EQIATVCEAV LQALAYLHAQ GVIHRDIKSD SILLTLDGRV KLSDFGFCAQ ISKDVPKRKS LVGTPYWMAP EVISRSLYAT EVDIWSLGIM VIEMVDGEPP 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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