Recombinant Human PAK6, GST-tagged, Active

Cat. No. PAK6-381H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant full-length human PAK6 was expressed by*baculovirus*in*Sf9 insect cells*using an N-terminal GST tag. MW=110 kDa.
Species	Human
Source	Sf9 Cells
Description	PAK6 is a Ser/Thr protein kinase that is a member of the PAK (p21-activated kinase) family that are implicated in the regulation of a number of cellular processes, including cytoskeleton rearrangement, apoptosis and the MAP kinase signaling pathway. PAK6 is highly expressed in the testis and prostate tissues and interacts with the androgen receptor (AR). In response to androgen, PAK6 cotranslocate into the nucleus with AR. PAK6 is weakly expressed in normal prostate epithelium but the expression is increased in primary and metastatic prostate cancer cells and is further increased in tumors that relapse after androgen deprivation therapy.
Sequence	Full-length.
Applications	Kinase Assay, Western Blot.
Storage And Stability	Store product at –70oC. For optimal storage, aliquot target into smaller quantities after centrifugation and store at recommended temperature. For most favorable performance, avoid repeated handling and multiple freeze/thaw cycles.

GENE INFORMATION

Tel: 1-631-559-9269 1-516-512-3133
Email: info@creative-biomart.com Fax: 1-631-938-8127
45-1 Ramsey Road, Shirley, NY 11967, USA

Gene Name	PAK6 p21 protein (Cdc42/Rac)-activated kinase 6 [Homo sapiens]
Synonyms	PAK6; p21 protein (Cdc42/Rac)-activated kinase 6; PAK5; p21-activated kinase 6; p21(CDKN1A)-activated kinase 6; p21-activated protein kinase 6; EC 2.7.11.1
Gene ID	56924
mRNA Refseq	NM_001128628
Protein Refseq	NP_001122100
MIM	608110
UniProt ID	Q9NQU5
Chromosome Location	15q14
Pathway	Axon guidance; ErbB signaling pathway; Focal adhesion; Regulation of actin cytoskeleton; Renal cell carcinoma; T cell receptor signaling pathway
Function	ATP binding; nucleotide binding; protein binding; protein serine/threonine kinase activity; transferase activity

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PDB rendering based on 2c30.



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