

Recombinant Human p21 Protein (Cdc42/Rac)-Activated Kinase 6, His-tagged

Cat. No. PAK6-1284H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant human full length PAK6 is a serine/threonine kinase expressed in the testis and prostate. It associates with both the estrogen and androgen receptors. No special measures were taken to activate this kinase. Its molecular weight is 79900 Dalton.
Species	Human
Source	Insect Cells
Description	Serine/threonine-protein kinase PAK6 is an enzyme that in humans is encoded by the PAK6 gene. This gene encodes a protein that shares a high degree of sequence similarity with p21-activated kinase (PAK) family members. The proteins of this family are Rac/Cdc42-associated Ste20-like Ser/Thr protein kinases, characterized by a highly conserved amino-terminal Cdc42/Rac interactive binding (CRIB) domain and a carboxyl-terminal kinase domain. PAK kinases are implicated in the regulation of a number of cellular processes, including cytoskeleton rearrangement, apoptosis and the MAP kinase signaling pathway.
Form	Liquid in 50 mM Tris, pH 7.5 + 150 mM NaCl + 0.5 mM EDTA + 0.02% Triton X-100 + 2 mM DTT + 50% glycerol.
Molecular Weight	79.9 kDa
Storage	Stable for 6 months in working aliquots at -80°C. Avoid repeated freeze-thaw cycles.

 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

OfficialSymbol	PAK6
Full Length	Full L.
GENE INFORMATION	
Gene Name	PAK6 p21 protein (Cdc42/Rac)-activatedkinase 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;PAK-5; PAK-6; Serine/threonine-protein kinase PAK 6
Gene ID	56924
mRNA Refseq	NM_020168
Protein Refseq	NP_064553
MIM	608110
UniProt ID	Q9NQU5
Chromosome Location	15q14
Pathway	Activation of Rac;Androgen Receptor Signaling Pathway; Axon guidance; CDC42 signaling events;Developmental Biology; ErbB signaling pathway; Focal adhesion;Integrin-mediated cell adhesion; Regulation of actin cytoskeleton; Renal cellcarcinoma; Signaling by Robo receptor; T cell receptor signaling pathway
Function	ATP binding;nucleotide binding; protein serine/threonine kinase activity

 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



PDB rendering
based on 2bva.

 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