

PAK6

Recombinant Human p21 Protein-Activated Kinase 6 His

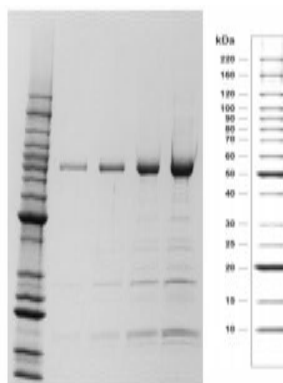
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|------------------------------|--|------------------|-------|
| Catalog No. | CSI13448 | Quantity: | 10 µg |
| Alternate Names: | PAK5 | | |
| Description: | <p>Recombinant Human Full-Length protein, C-terminal Histidine-tagged, expressed in insect cells. The recombinant protein is 926 amino acids including the His tag. The full length protein ends at amino acid C681. No special measures were taken to activate this kinase.</p> <p>PAK6 is a serine/threonine kinase expressed in the testis and prostate. It associates with both the estrogen and androgen receptors.</p> | | |
| Concentration: | <p>0.25 mg/mL total protein as measured using the Bradford protein assay with BSA as a standard.</p> <p>Calculated 3,130 nM.</p> | | |
| Gene ID: | 56924 | | |
| Protein Accession No: | NP_064553 | | |
| Source: | Insect cells | | |
| Molecular Weight: | 79.9 kDa | | |
| Formulation: | Liquid in 50 mM Tris, pH 7.5 + 150 mM NaCl + 0.5 mM EDTA + 0.05% Triton X-100 + 4 mM DTT + 50% glycerol | | |
| Purity: | 85% as determined by a Coomassie® blue stained SDS-PAGE gel. | | |
| Mass Spectrometry: | PAK6 was subjected to proteolytic digest followed by mass spec analysis. The resulting MS/MS data verified PAK6 identity by comparison against the amino acid sequence(s) of the recombinant protein. | | |
| Specific Activity: | <p>221 nmoles of phosphate transferred to PAKtide peptide substrate (CRRKSLVGpTPYWMAPE) per minute per mg of total protein at 30°C.</p> <p>Activity determined at a final protein concentration of 1.67 µg/mL.</p> | | |



Amino Acid Sequence: MFRKKKKRKP EISAPQNFQH RVHTSFDPK E GK FVGLPPQW QNILDTLRRP
 KP VVDPSRIT RVQLQPMKTV VRGSAMPVDG YISGLLNDIQ KLSVISSNTL
 RGRSPTSRRR AQSLGLLGDE HWATDPDMYL QSPQSERTDP HGLYLSCNGG
 TPAGHKQMPW PEPQSPRVLP NGLAAKAQSL GPAEFQGASQ RCLQLGACLO
 SSPPGASPTT GTNRHGMKAA KHGSEEARPQ SCLVGSATGR PGGEGSPSPK
 TRESSLKRRRL 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 CLLVPRGSNP AFLYKVVRMN
 EDLGKPIPNP LLGLDSTRTG HHHHHH

Storage & Stability: Stable for 6 months in working aliquots at -80°C. **Avoid repeated freeze-thaw cycles.**

SDS-PAGE and Native PAGE gels of Human PAK6. Lane 1, MW markers. Lanes 2-5, 0.5 µg, 1 µg, 2.5 µg, and 5 µg.



NOT FOR HUMAN USE. FOR RESEARCH ONLY. NOT FOR DIAGNOSTIC OR THERAPEUTIC USE.



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