

PAK3 recombinant protein

PAK3, Active

CATALOG # AAA73785	HOST Sf9 insect cells	APPLICATIONS Western Blot
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PRODUCT SYNONYMS

PAK3; Active; Stk4; mPAK-3; Pak65beta; Pak65alpha; PAK3 recombinant protein

PRODUCT SPECIFICATIONS

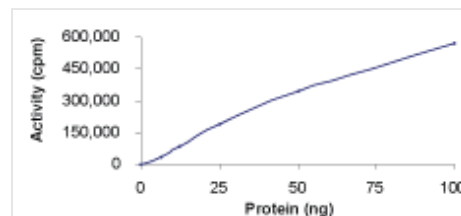
Host	Sf9 insect cells
Form/Format	Recombinant protein stored in 50mM Tris-HCl, pH7.5, 150mM NaCl, 0.25mM DTT, 0.1mM EGTA, 0.1mM EDTA, 0.1mM PMSF, 25% glycerol.
Applicable Applications for PAK3 recombinant protein	WB (Western Blot), Kinase Assay
Tag	GST
Species	Mouse
Dry Ice Note	The product may be shipped with dry ice, and an additional fee may be added to your shipping cost.
Preparation and Storage	Store product at -70 degree C. 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.

IMAGES



SDS-PAGE

Purity: Sample Purity Data. For specific information on a given lot, see related technical data sheet.



Activity

Specific Activity: Sample Kinase Activity Plot. For specific information on a given lot, see related technical data sheet.

ADDITIONAL INFORMATION

Related Product Information for PAK3 recombinant protein	Recombinant full-length mouse PAK3 was expressed by baculovirus in Sf9 insect cells using an N-terminal GST tag. The gene accession number is NM_008778. PAK3 is a member of the family of serine/threonine p21-activating kinases that serve as targets for the small GTP binding proteins Cdc42 and RAC (1). The PAK family of proteins have been implicated in a wide range of biological activities and are critical effectors that link Rho GTPases to cytoskeleton reorganization and nuclear signaling. PAK3 seems to be necessary for dendritic development and for the rapid cytoskeletal reorganization in dendritic spines associated with synaptic plasticity. A point mutation in PAK3 gene has been linked to nonsyndromic X-linked mental retardation (2).
Product Categories/Family for PAK3 recombinant protein	Protein Kinases; Cancer; ERK/MAPK Pathway; Inflammation; Invasion/Metastasis; Neurobiology; Ser/Thr Kinases

References

1. Manser, E. et al: Molecular cloning of a new member of the p21-Cdc42/Rac-activated kinase (PAK) family. J. Biol. Chem. 270: 25070-25078, 1995.
2. Bienvenu, T. et al: Missense mutation in PAK3, R67C, causes X-linked nonspecific mental retardation. Am. J. Med. Genet. 93: 294-298, 2000.

NCBI AND UNIPROT INFORMATION

NCBI GenBank Nucleotide #

[NM_008778](#)

Molecular Weight

~89kDa

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

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Online datasheet: <https://www.aaabiotech.com/pak3-recombinant-protein-sf9-insect-cells-wb-western-blot-kinase-assay/73785>