

PAK2 (Y443N) Recombinant Protein | PAK2 recombinant protein

PAK2 (Y443N), Active

CATALOG #
AAA73784

HOST
Sf9 insect cells

PRODUCT SYNONYMS

PAK2 (Y443N); Active; PAK65; PAKgamma; PAK2 recombinant protein

PRODUCT SPECIFICATIONS

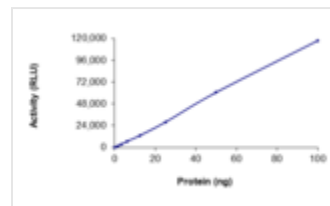
Host	Sf9 insect cells
Form/Format	Recombinant protein stored in 50mM Tris-HCl, pH7.5, 50mM NaCl, 10mM glutathione, 0.1mM EDTA, 0.25mM DTT, 25% glycerol.
Tag	GST
Species	Human
Dry Ice Note	The product may be shipped with dry ice, and an additional fee may be added to your shipping cost.
Preparation and 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 lot-specific data please refer to the specific datasheet.



Activity

Specific Activity : Sample activity data. For lot specific data please refer to the specific datasheet.

ADDITIONAL INFORMATION

Related Product Information for PAK2 recombinant protein	Recombinant full-length human PAK2 (Y443N) was expressed by baculovirus in Sf9 insect cells using an N-terminal GST tag. The gene accession number is NM_002577. PAK2 proteins is a family of serine/threonine kinases that serve as targets for the small GTP binding proteins, CDC42 and RAC1, and have been implicated in a wide range of biological activities. The p21 activated kinases (PAK) are critical effectors that link Rho GTPases to cytoskeleton reorganization and nuclear signaling. PAK2 (Y443N) is activated by proteolytic cleavage during caspase-mediated apoptosis, and may play a role in regulating the apoptotic events in the dying cell (1). The CDC42 and RAC1 induce autophosphorylation of PAK2 (Y443N), which stimulates sustained phosphorylation of other substrates (2).
Product Categories/Family for PAK2 recombinant protein	Mutant Kinases; Apoptosis/Autophagy; Cancer; Cardiovascular Disease; Cell Cycle; Cellular Stress; Inflammation
References	1. Koepfel, M. A. et.al: Identification and characterization of PS-GAP as a novel regulator of caspase-activated PAK-2. J. Biol. Chem. 279: 53653-53664, 2004. 2. Martin, G. A. et.al: A novel serine kinase activated by rac1/CDC42Hs-dependent autophosphorylation is related to PAK65 and STE20. EMBO J. 14: 1970-1978, 1995.

NCBI AND UNIPROT INFORMATION

NCBI GenBank Nucleotide #	NM_002577
Molecular Weight	approx. MW: 95kDa

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/pak2-y443n-recombinant-protein-sf9/73784>