Recombinant Active Human PAK3 Protein (Full length), N-GST-tagged

Cat. No. PAK3-36H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant full-length human PAK3 was expressed by baculovirus in Sf9 insect cells using an N-terminal GST tag.
Species	Human
Source	Sf9 Cells
ProteinLength	Full Length
Description	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. The PAK family of proteins has been implicated in a wide range of biological activities and is 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.
Bio-activity	The specific activity of PAK3 was determined to be 55 nmol/min/mg as per actity assay protocol.
Molecular Mass	Observed MW: ~93 kDa. Calculated MW: ~90 kDa.
Purity	The purity of PAK3 was determined to be > 90 % by densitometry.

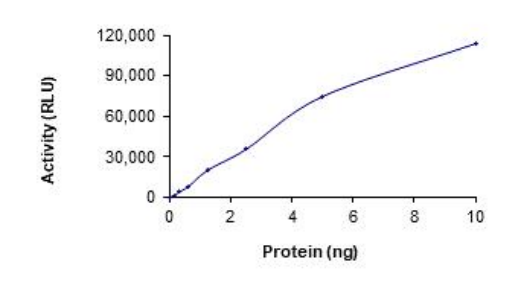
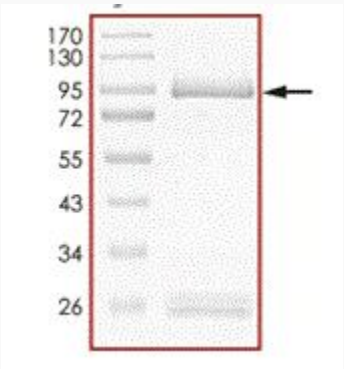
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Stability	One year at -70 centigrade from date of shipment.
Storage	Store product at -70 centigrade. For optimal storage, aliquot target into smaller quantities after centrifugation and store at recommended temperature. For most favorable performance, avoid repeated handling and multiple freeze/thaw cycles.
Concentration	0.1 μg/μL
Storage Buffer	Recombinant protein stored in 50mM Tris-HCl, pH 7.5, 150mM NaCl, 10mM glutathione, 0.1mM EDTA, 0.25mM DTT, 25% glycerol.
Shipping	Dry ice

GENE INFORMATION

Gene Name	PAK3 p21 protein (Cdc42/Rac)-activated kinase 3 [Homo sapiens (human)]
Official Symbol	PAK3
Synonyms	PAK3; p21 protein (Cdc42/Rac)-activated kinase 3; mental retardation, X linked 47, MRX30, MRX47, p21 (CDKN1A) activated kinase 3; serine/threonine-protein kinase PAK 3; bPAK; hPAK3; PAK-3; beta-PAK; oligophrenin-3; p21-activated kinase 3; p21 (CDKN1A)-activated kinase 3; MRX30; MRX47; OPHN3; CDKN1A; PAK3beta;
Gene ID	5063
mRNA Refseq	NM_001128166
Protein Refseq	NP_001121638
MIM	300142

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UniProt ID	O75914
Activity	
Purity	

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