

## Recombinant Active Human PAK2 (Y443N) Mutant Protein, GST-tagged

Cat. No. PAK2-35H Lot. No. (See product label)

### SPECIFICATION

<b>Product Overview</b>	Recombinant full-length human PAK2 (Y443N) was expressed by baculovirus in Sf9 insect cells using an N-terminal GST tag.
<b>Species</b>	Human
<b>Source</b>	Insect Cells
<b>Description</b>	<p>The p21 activated kinases (PAK) are critical effectors that link Rho GTPases to cytoskeleton reorganization and nuclear signaling. The PAK proteins are 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 protein encoded by this gene is activated by proteolytic cleavage during caspase-mediated apoptosis, and may play a role in regulating the apoptotic events in the dying cell.</p>
<b>Molecular Mass</b>	Approx 95 kDa
<b>Purity</b>	> 90%
<b>Stability</b>	One year at -70 centigrade from data of shipment.
<b>Storage</b>	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.

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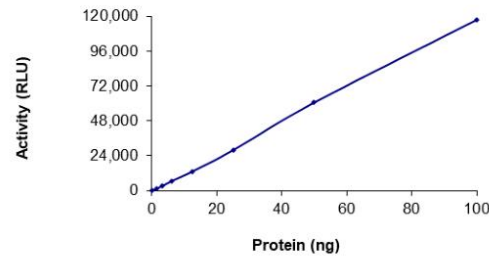
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<b>Concentration</b>	0.1 µg/µL
<b>Storage Buffer</b>	Recombinant protein stored in 50 mM Tris-HCl, pH 7.5, 150 mM NaCl, 10 mM glutathione, 0.1 mM EDTA, 0.25 mM DTT, 25% glycerol.
<b>Shipping</b>	Dry ice
<b>GENE INFORMATION</b>	
<b>Gene Name</b>	PAK2 p21 (RAC1) activated kinase 2 [ Homo sapiens (human) ]
<b>Official Symbol</b>	PAK2
<b>Synonyms</b>	PAK2; p21 (RAC1) activated kinase 2; PAK65; PAKgamma; serine/threonine-protein kinase PAK 2; PAK-2; S6/H4 kinase; gamma-PAK; p21 (CDKN1A)-activated kinase 2; p21 protein (Cdc42/Rac)-activated kinase 2; p21-activated kinase 2; p58; EC 2.7.11.1
<b>Gene ID</b>	5062
<b>mRNA Refseq</b>	NM_002577
<b>Protein Refseq</b>	NP_002568
<b>MIM</b>	605022
<b>UniProt ID</b>	Q13177

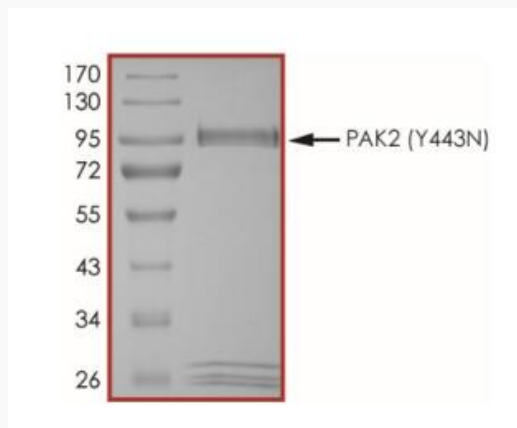
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**Specific Activity**

The specific activity of PAK2 (Y443N) was determined to be 4.4 nmol/min/mg as per activity assay protocol.

**Purity**

The purity of PAK2 (Y443N) was determined to be >90% by densitometry.

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