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

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

SPECIFICATION

Product Overview	Recombinant full-length human PAK2 (Y443N) was expressed by baculovirus in Sf9 insect cells using an N-terminal GST tag.
Species	Human
Source	Insect Cells
Description	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.
Molecular Mass	Approx 95 kDa
Purity	> 90%
Stability	One year at -70 centigrade from data 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.

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Concentration	0.1 μg/μL
Storage Buffer	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.
Shipping	Dry ice

GENE INFORMATION

Gene Name	PAK2 p21 (RAC1) activated kinase 2 [Homo sapiens (human)]
Official Symbol	PAK2
Synonyms	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
Gene ID	5062
mRNA Refseq	NM_002577
Protein Refseq	NP_002568
MIM	605022
UniProt ID	Q13177

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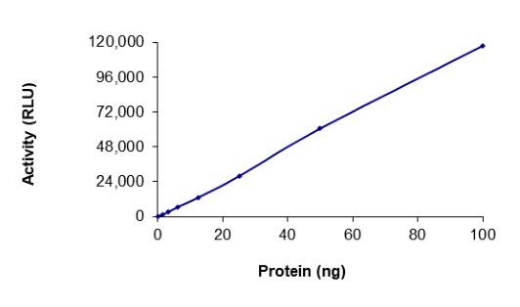
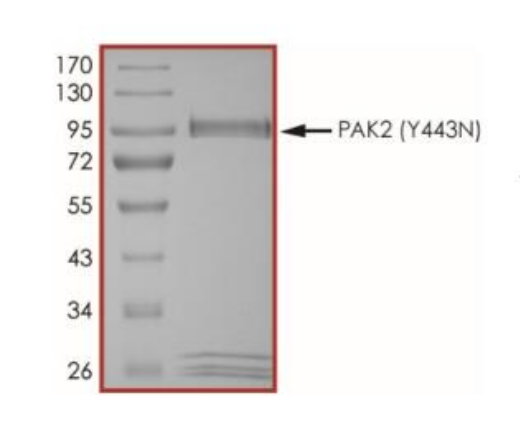
Specific Activity	 The specific activity of PAK2 (Y443N) was determined to be 4.4 nmol/min/mg as per activity assay protocol.
Purity	 The purity of PAK2 (Y443N) was determined to be >90% by densitometry.

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