

Recombinant Human p21 Protein (Cdc42/Rac)-Activated Kinase 2, GST-tagged

Cat. No. PAK2-1282H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant humanfull length PAK2, GST-tagged. Its molecular weight is 85500 Dalton.
Species	Human
Source	Insect Cells
Description	PAK2 proteins arecritical effectors that link Rho GTPases to cytoskeleton reorganization andnuclear signaling. PAK2 proteins, a family of serine/threonine p21-activatingkinases, serve as targets for the small GTP binding proteins Cdc42 and RACand have been implicated in a wide range of biological activities.
Form	Liquid in 50 mMTris, pH 7.5 + 150 mM NaCl + 0.5 mM EDTA + 0.02% Triton X-100 + 2 mM DTT +50% glycerol.
Molecular Weight	85.5 kDa
Storage	Stable for 6 monthsin working aliquots at -80°C. Avoid repeated freeze-thaw cycles.
OfficialSymbol	PAK2
Full Length	Full L.

GENE INFORMATION

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Gene Name	PAK2 p21 protein (Cdc42/Rac)-activatedkinase 2 [Homo sapiens]
Synonyms	PAK2; p21 protein(Cdc42/Rac)-activated kinase 2; PAK65; PAKgamma; p21-activated kinase 2;S6/H4 kinase; p21 (CDKN1A)-activated kinase 2; EC 2.7.11.1; PAK-2; Gamma-PAK;p58; C-t-PAK2
Gene ID	5062
mRNA Refseq	NM_002577
Protein Refseq	NP_002568
MIM	605022
UniProt ID	Q13177
Chromosome Location	3q29
Pathway	Activation of Rac;Adaptive Immune System; Apoptosis; Apoptotic execution phase; Axon guidance;C-MYC pathway; CD28 co-stimulation; CDC42 signaling events; Costimulation bythe CD28 family; ErbB signaling pathway; Focal adhesion; MAPK signalingpathway; Regulation of actin cytoskeleton; Renal cell carcinoma; T cellreceptor signaling pathway
Function	ATP binding;identical protein binding; nucleotide binding; protein binding; proteinkinase activity; protein kinase binding; protein serine/threonine kinaseactivity; protein tyrosine kinase activator activity
PDB rendering basedon 1e0a.	

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