

Recombinant Human PAK1 Protein, Myc/DDK-tagged, C13 and N15-labeled

Cat. No. PAK1-5422H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	PAK1 MS Standard C13 and N15-labeled recombinant protein (NP_001122092) with a C-terminal MYC/DDK tag, was expressed in HEK293 cells.
Species	Human
Source	HEK293
Description	This gene encodes a family member of serine/threonine p21-activating kinases, known as PAK proteins. These proteins are critical effectors that link RhoGTPases to cytoskeleton reorganization and nuclear signaling, and they serve as targets for the small GTP binding proteins Cdc42 and Rac. This specific family member regulates cell motility and morphology. Alternatively spliced transcript variants encoding different isoforms have been found for this gene.
Molecular Mass	61.5 kDa
AA Sequence	MSNNGLDIQDKPPAPPMRNTSTMIGAGSKDAGTLNHGSKPLPPNPEEKKKKDRFYR SILPGDKTNKKKEKERPEISLPSEFHTIHVGFDVATGEFTGMPEQWARLLQTSNITK SEQKKNPQAVLDVLEFYNSKKTSNSQKYMSFTDKSAEDYNSSNALNVKAVSETPAV PPVSEDEDDDDDDATPPPVIAPRPEHTKSVYTRSVIEPLPVTPTRDVATSPISPTENN TTPPDALTRNTEKQKKKPKMSDEEILEKLRSIVSVGDPKKKYTRFEKIGQGASGTVYT AMDVATGQEVAIKQMNLLQQPKKELIINEILVMRENKNPNIVNYLDSYLVGDELWVV MEYLAGGSLTDVVTETCMDEGQIAAVCRECLQALEFLHSNQVIHRDIKSDNILLGMD

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GSVKLTDFGFCAQITPEQSKRSTMVGTPYWMAPEVVTRKAYGPKVDIWSLGIMAIE
MIEGEPPYLNENPLRALYLIATNGTPELQNPEKLSAIFRDFLNRCLMDVEKRGSKE
LLQVRKLRQVFSNFSMIAASIPEDCQAPLQPHSTDCCSTRTRPLEQKLISEEDLAAN
DILDYKDDDDKV

Purity > 80% as determined by SDS-PAGE and Coomassie blue staining

Stability Stable for 3 months from receipt of products under proper storage and handling conditions.

Storage Store at -80 centigrade. Avoid repeated freeze-thaw cycles.

Concentration 50 µg/mL as determined by BCA

Storage Buffer 100 mM glycine, 25 mM Tris-HCl, pH 7.3.

GENE INFORMATION

Gene Name **PAK1 p21 (RAC1) activated kinase 1 [Homo sapiens (human)]**

Official Symbol **PAK1**

Synonyms

PAK1; p21 protein (Cdc42/Rac)-activated kinase 1; p21/Cdc42/Rac1 activated kinase 1 (STE20 homolog, yeast), p21/Cdc42/Rac1 activated kinase 1 (yeast Ste20 related); serine/threonine-protein kinase PAK 1; STE20 homolog; yeast; p65-PAK; alpha-PAK; STE20 homolog, yeast; p21/Cdc42/Rac1-activated kinase 1 (yeast Ste20-related); p21/Cdc42/Rac1-activated kinase 1 (STE20 homolog, yeast); PAKalpha; MGC130000; MGC130001;

Gene ID **5058**

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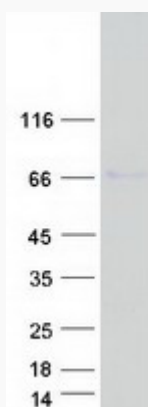
mRNA Refseq [NM_001128620](#)

Protein Refseq [NP_001122092](#)

MIM [602590](#)

UniProt ID [Q13153](#)

SDS-PAGE



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