

# Recombinant Human PAK4 Protein, MYC/DDK-tagged, C13 and N15-labeled

**Cat. No.** PAK4-319H    **Lot. No.** (See product label)

## SPECIFICATION

<b>Product Overview</b>	PAK4 MS Standard C13 and N15-labeled recombinant protein (NP_001014831) with a C-terminal MYC/DDK tag, was expressed in HEK293 cells.
<b>Species</b>	Human
<b>Source</b>	HEK293
<b>Description</b>	PAK proteins, a family of serine/threonine p21-activating kinases, include PAK1, PAK2, PAK3 and PAK4. PAK proteins are critical effectors that link Rho GTPases to cytoskeleton reorganization and nuclear signaling. They serve as targets for the small GTP binding proteins Cdc42 and Rac and have been implicated in a wide range of biological activities. PAK4 interacts specifically with the GTP-bound form of Cdc42Hs and weakly activates the JNK family of MAP kinases. PAK4 is a mediator of filopodia formation and may play a role in the reorganization of the actin cytoskeleton. Multiple alternatively spliced transcript variants encoding distinct isoforms have been found for this gene. [provided by RefSeq, Jul 2008]
<b>Molecular Mass</b>	64.1 kDa
<b>AA Sequence</b>	MFGKRKKRVEISAPSNFEHRVHTGFDQHEQKFTGLPRQWQSLIEESARRPKPLVDP ACITSIQPGAPKTIVRGSKGAKDGALTLLLDEFENMSVTRSNSLRRDSPPPPARARQ ENGMPEEPATTARGGPGKAGSRGRFAGHSEAGGGSGDRRRRAGPEKRPKSSREG SGGPQESSRDKRPLSGPDVGTQPAGLASGAKLAAGRPFNTYPRADTDHPSRGAQ

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GEPHDVAPNGPSAGGLAIPQSSSSSRPPTRRARGAPSPGVLGPHASEPQLAPPACT  
 PAAPAVPGPPGPRSPQREPQRVSHEQFRAALQLVVDPGDPRSYLEDNFIKIGEGSTGI  
 VCIATVRSSGKLVAVKKMDLRKQQRRELLFNEVVIMRDYQHENVVEMYNSYLVGDE  
 LWVVMFLEGGALTDIVTHTRMNEEQIAAVCLAVLQALSVLHAQGVIHRDIKSDSILLT  
 HDGRVKLSDFGFCAQVSKEVPRRKSLSVGTPTYWMAPELISRLPYGPEVDIWSLGIMVI  
 EMVDGEPYPFNEPPLKAMKMIRDNLPPRLKNLHKVSPSLKGFDRLLVRDPAQRAT  
 AAELLKHPFLAKAGPPASIVPLMRQNRTRTRTRPLEQKLISEEDLAANDILDYKDDDD  
 KV

**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** PAK4 p21 protein (Cdc42/Rac)-activated kinase 4 [ Homo sapiens (human) ]

**Official Symbol** PAK4

**Synonyms** PAK4; p21 protein (Cdc42/Rac)-activated kinase 4; p21(CDKN1A) activated kinase 4; serine/threonine-protein kinase PAK 4; PAK-4; p21-activated kinase 4; p21(CDKN1A)-activated kinase 4; protein kinase related to S. cerevisiae STE20, effector for Cdc42Hs;

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Gene ID 10298

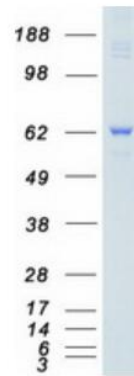
mRNA Refseq NM\_001014831

Protein Refseq NP\_001014831

MIM 605451

UniProt ID O96013

SDS-PAGE



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