

**Product:** PAK7, active  
**Catalog #:** 02-2033  
**Amount:** 5 µg

**DESCRIPTION:**

PAK7 (also known as PAK5) is a novel human PAK family kinase that contains a CDC42/Rac1 interactive binding (CRIB) motif at the N-terminus and a Ste20-like kinase domain at the C-terminus (1). The p21-activated kinase (PAK) family of protein kinases has recently attracted considerable attention as an effector of Rho family of small G proteins and as an upstream regulator of MAPK signalling pathways during cellular events such as re-arrangement of the cytoskeleton and apoptosis. PAK7 like the other Paks has been implicated in the regulation of cell morphology, motility and transformation

The gene accession number is **NM 177990**

Gene Aliases: PAK5; KIAA1264; MGC26232

**SOURCE:**

Recombinant full-length human PAK7 was expressed by baculovirus in Sf9 insect cells using a N-terminal GST tag

**MOLECULAR WEIGHT:**

130 kDa

**PURITY:**

> 75% (by densitometry)

**FORM:**

Purified, in 50mM Tris-HCl, pH 7.5, 150mM NaCl, 0.25mM DTT, 0.1mM EGTA, 0.1mM EDTA, 0.1mM PMSF, 25% glycerol

**CONCENTRATION:**

0.1 mg/ml

**SPECIFIC ACTIVITY:**

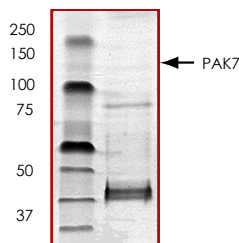
55 nmol/mim/mg

**STORAGE:**

-70°C (aliquot). AVOID repeated Freeze/thaw cycles

**REFERENCE:**

1. Pandey, A. et al: Cloning and characterization of PAK5, a novel member of mammalian p21-activated kinase-II subfamily that is predominantly expressed in brain, *Oncogene*. 2002 May 30;21(24):3939-48



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