Recombinant Human PAK7, GST-tagged, Active

Cat. No. PAK7-382H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant full-length human PAK7 was expressed by*baculovirus*in*Sf9 insect cells*using an N-terminal GST tag. MW=130 kDa.
Species	Human
Source	Sf9 Cells
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. 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.
Sequence	Full-length.
Applications	Kinase Assay, Western Blot.
Storage And Stability	Store product at –70oC. 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.

GENE INFORMATION

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Gene Name	PAK7 p21 protein (Cdc42/Rac)-activated kinase 7 [Homo sapiens]
Synonyms	PAK7; p21 protein (Cdc42/Rac)-activated kinase 7; PAK5; KIAA1264; MGC26232; OTTHUMP00000030260; p21(CDKN1A)-activated kinase 7; p21-activated kinase 7; p21CDKN1A-activated kinase 7; protein kinase PAK5; serine/threonine-protein kinase PAK7; EC 2.7.11.1
Gene ID	57144
mRNA Refseq	NM_020341
Protein Refseq	NP_065074
MIM	608038
UniProt ID	Q9P286
Chromosome Location	20p12
Pathway	Axon guidance; ErbB signaling pathway; Focal adhesion; Regulation of actin cytoskeleton; Renal cell carcinoma; T cell receptor signaling pathway
Function	ATP binding; nucleotide binding; protein binding; protein serine/threonine kinase activity; transferase activity

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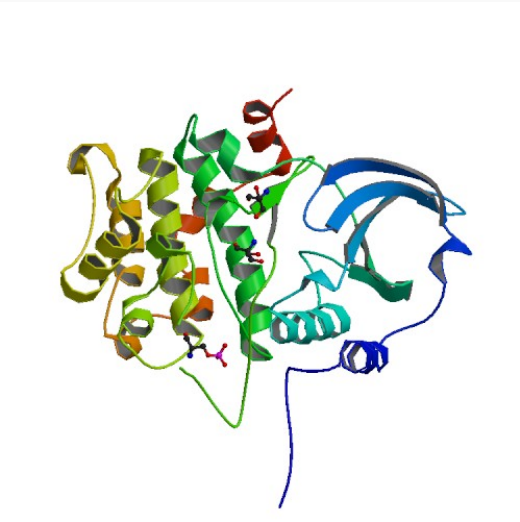
PDB rendering based on 2f57.



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