

Recombinant Human PAK4, GST-tagged, Active

Cat. No. PAK4-380H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant full-length human PAK4 was expressed by <i>baculovirus</i> in <i>Sf9</i> insect cell/s using an N-terminal GST tag. MW=90 kDa.
Species	Human
Source	Sf9 Cells
Description	PAK4 is a recently identified member of the p21-activated kinases (PAKs) which have been implicated in the regulation of cell morphology, motility and transformation. These serine/threonine kinases are activated by and are effectors of small GTPases, cdc 42 and Rac. PAK4 belongs to the Group II PAKs which also includes PAK5 and PAK6. PAK4 has been shown to regulate cell morphology and cytoskeletal organization in mammalian cells.
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

Gene Name	PAK4 p21 protein (Cdc42/Rac)-activated kinase 4 [Homo sapiens]
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Synonyms	PAK4; p21 protein (Cdc42/Rac)-activated kinase 4; p21-activated kinase 4; p21(CDKN1A)-activated kinase 4; protein kinase related to <i>S. cerevisiae</i> STE20, effector for Cdc42Hs; Serine/threonine-protein kinase PAK 4; KIAA1142; EC 2.7.11.1; PAK-4
Gene ID	10298
mRNA Refseq	NM_001014831
Protein Refseq	NP_001014831
MIM	605451
UniProt ID	O96013
Chromosome Location	19q13.2
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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