

Recombinant Human PAK1, GST-tagged

Cat. No. PAK1-1513H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Human PAK1 protein, fused to GST-tag, was expressed in E.coli and purified by GSH-sepharose.
Species	Human
Source	E.coli
ProteinLength	14-65aa
Storage	The protein is stored in PBS buffer at -20°C. Avoid repeated freezing and thawing cycles.
Storage Buffer	1M PBS (58mM Na ₂ HPO ₄ , 17mM NaH ₂ PO ₄ , 68mM NaCl, pH8.) added with 100mM GSH and 1% Triton X-100, 15% glycerol.

GENE INFORMATION

Gene Name	PAK1 p21 protein (Cdc42/Rac)-activated kinase 1 [Homo sapiens]
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

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	Ste20-related); p21/Cdc42/Rac1-activated kinase 1 (STE20 homolog, yeast); PAKalpha; MGC130000; MGC130001;
Gene ID	5058
mRNA Refseq	NM_001128620
Protein Refseq	NP_001122092
MIM	602590
UniProt ID	Q13153
Chromosome Location	11q13-q14
Pathway	Activation of Rac, organism-specific biosystem; Adaptive Immune System, organism-specific biosystem; Alpha6-Beta4 Integrin Signaling Pathway, organism-specific biosystem; Angiopoietin receptor Tie2-mediated signaling, organism-specific biosystem; Aurora A signaling, organism-specific biosystem; Axon guidance, organism-specific biosystem; Axon guidance, conserved biosystem;
Function	ATP binding; collagen binding; nucleotide binding; protein binding; contributes_to protein binding; protein kinase activity; protein serine/threonine kinase activity;