

## Recombinant Human PAK2 cell lysate

Cat. No. PAK2-1276HCL Lot. No. (See product label)

### SPECIFICATION

<b>Species</b>	Human
<b>Description</b>	<p>The p21 activated kinases (PAK) are critical effectors that link Rho GTPases to cytoskeleton reorganization and nuclear signaling. The PAK proteins are a family of serine/threonine kinases that serve as targets for the small GTP binding proteins, CDC42 and RAC1, and have been implicated in a wide range of biological activities. The protein encoded by this gene is activated by proteolytic cleavage during caspase-mediated apoptosis, and may play a role in regulating the apoptotic events in the dying cell.</p>
<b>Size</b>	100 ul
<b>Storage Buffer</b>	1X Sample Buffer (50 mM Tris-HCl, 2% SDS, 10% glycerol, 300 mM 2-mercaptoethanol, 0.01% Bromophenol blue)
<b>Applications</b>	Western Blot;

### GENE INFORMATION

<b>Gene Name</b>	PAK2 p21 protein (Cdc42/Rac)-activated kinase 2 [ Homo sapiens ]
<b>Official Symbol</b>	PAK2
<b>Synonyms</b>	PAK2; p21 protein (Cdc42/Rac)-activated kinase 2; p21 (CDKN1A) activated kinase 2; serine/threonine-protein kinase PAK 2; PAK65; PAKgamma; S6/H4 kinase; p58;

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PAK-2; gamma-PAK; p21-activated kinase 2; p21 (CDKN1A)-activated kinase 2;

**Gene ID** [5062](#)

**mRNA Refseq** [NM\\_002577](#)

**Protein Refseq** [NP\\_002568](#)

**MIM** [605022](#)

**UniProt ID** [Q13177](#)

**Chromosome Location** 3q29

**Pathway** Activation of Rac, organism-specific biosystem; Adaptive Immune System, organism-specific biosystem; Apoptosis, organism-specific biosystem; Apoptotic executionphase, organism-specific biosystem; Axon guidance, organism-specific biosystem; Axon guidance, conserved biosystem; Axon guidance, organism-specific biosystem;

**Function** ATP binding; identical protein binding; nucleotide binding; protein binding; protein kinase activity; protein kinase binding; protein serine/threonine kinase activity; protein tyrosine kinase activator activity;

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