



# PAK1 Protein Crystal

Catalog: CBCRY51

## PRODUCT INFORMATION

<b>Name</b>	PAK1 Protein Crystal
<b>Cat No.</b>	CBCRY51
<b>Fragment</b>	Autoregulatory domain (Residues 70-149) and Kinase domain (Residues 249-545)
<b>Protein Description</b>	P21/Cdc42/Rac1-activated kinase 1
<b>Background</b>	p21 protein (Cdc42/Rac)-activated kinase 1 belongs to the family of serine/threonine p21-activating kinases, known as PAK proteins. These proteins are critical effectors that link RhoGTPases to cytoskeleton reorganization and nuclear signaling, and they serve as targets for the small GTP binding proteins Cdc42 and Rac. Protein kinase regulates cell motility and morphology, and plays an important role in cytoskeleton dynamics, in cell adhesion, migration, proliferation, apoptosis, mitosis, and in vesicle-mediated transport processes.
<b>Protein Classification</b>	Transferase
<b>Structure Weight</b>	88460.94 Da
<b>Method</b>	X-Ray Diffraction
<b>Resolution</b>	2.30 Å
<b>Ligand Chemical Component</b>	IODIDE ION
<b>Reference</b>	Lei M, Lu W, Meng W, Parrini MC, Eck MJ, Mayer BJ, Harrison SC. Structure of pak1 in an autoinhibited conformation reveals a multistage activation switch. <i>Cell</i> (Cambridge, Mass.) (2000) 102 p.387