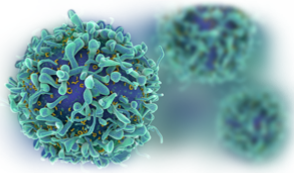

PAK1 Protein Crystal

Catalog: CBCRY51

PRODUCT INFORMATION

Name	PAK1 Protein Crystal
Cat No.	CBCRY51
Fragment	Autoregulatory domain (Residues 70-149) and Kinase domain (Residues 249-545)
Protein Description	P21/Cdc42/Rac1-activated kinase 1
Background	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.
Protein Classification	Transferase
Structure Weight	88460.94 Da
Method	X-Ray Diffraction
Resolution	2.30 Å
Ligand Chemical Component	IODIDE ION
Reference	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. Cell(Cambridge,Mass.) (2000) 102 p.387

USAGE GUIDELINES

General	Avoid excessive mixing or shocking to prevent aggregation. Long term storage above -80°C may result in aggregate formation.
Storage	Short term: +2°C to +8°C Long term: -80°C

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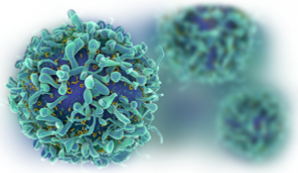

Stability	n.a.
Freezing	Can be frozen, but avoid multiple freeze/thaw cycles.

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