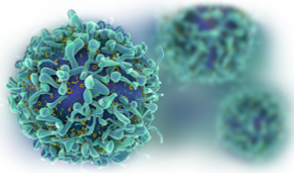

PLK3 Protein Crystal

Catalog: CBCRY55

PRODUCT INFORMATION

Name	PLK3 Protein Crystal
Cat No.	CBCRY55
Fragment	Polo box domain
Protein Description	Polo-like Kinase 3
Background	Polo-like kinase 3 (PLK3) is a member of the highly conserved polo-like kinase family of serine/threonine kinases that are critical regulators of cell cycle progression, mitosis, cytokinesis, and the DNA damage response. Members of this family are characterized by an amino-terminal kinase domain and a carboxy-terminal bipartite polo box domain that functions as a substrate-binding motif and a cellular localization signal. This gene has also been implicated in stress responses and double-strand break repair. In human cell lines, this protein is reported to associate with centrosomes in a microtubule-dependent manner, and during mitosis, the protein becomes localized to the mitotic apparatus.
Protein Classification	Transferase
Structure Weight	32791.14 Da
Method	X-Ray Diffraction
Resolution	1.90 Å
Ligand Chemical Component	SULFATE ION, 9ZP
Reference	Brown K, Charrier JD, Durrant S, Griffiths M, Hudson C, Kay D, Knegtel R, Odonnell M, Pierard F, Twin H, Weber P, Young S. Discovery of oral polo-like kinase (Plk) inhibitors with enhanced selectivity profile using residue targeted drug design. No recorded citation in PubMed

USAGE GUIDELINES

General	Avoid excessive mixing or shocking to prevent aggregation. Long term storage above -80°C may result in aggr

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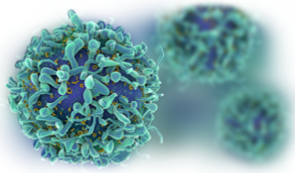
Email: info@structure-analyzer.com



	egate formation.
Storage	Short term: +2°C to +8°C Long term: -80°C
Stability	n.a.
Freezing	Can be frozen, but avoid multiple freeze/thaw cycles.

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