



BUB1 Protein Crystal

Catalog: CBCRY01

PRODUCT INFORMATION

Name	BUB1 Protein Crystal
Cat No.	CBCRY01
Fragment	Residues 724-1085
Protein Description	Mitotic checkpoint serine/threonine-protein kinase BUB1
Background	The kinase(BUB1) functions in part by phosphorylating a member of the miotic checkpoint complex and activ ating the spindle checkpoint. Mutations in this gene have been associated with aneuploidy and several forms of cancer.
Protein Classification	Transferase
Structure Weight	42450.29 Da
Method	X-Ray Diffraction
Resolution	2.31 Å
Ligand Chemical Component	Adenosine-5'-triphosphate; chloride ion; Magnesium ion
Reference	Kang J, Yang M, Li B, Qi W, Zhang C, Shokat KM, Tomchick DR, Machius M, Yu H. Structure and substrate recruitment of the human spindle checkpoint kinase Bub1.Mol Cell. 2008 Nov 7;32(3):394-405.

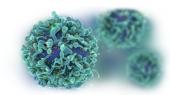
USAGE GUIDELINES

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
Stability	n.a.

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Freezing

Can be frozen, but avoid multiple freeze/thaw cycles.