



# BUB1 Protein Crystal

Catalog: CBCRY01

## PRODUCT INFORMATION

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<b>Name</b>	BUB1 Protein Crystal
<b>Cat No.</b>	CBCRY01
<b>Fragment</b>	Residues 724-1085
<b>Protein Description</b>	Mitotic checkpoint serine/threonine-protein kinase BUB1
<b>Background</b>	The kinase(BUB1) functions in part by phosphorylating a member of the mitotic checkpoint complex and activating the spindle checkpoint. Mutations in this gene have been associated with aneuploidy and several forms of cancer.
<b>Protein Classification</b>	Transferase
<b>Structure Weight</b>	42450.29 Da
<b>Method</b>	X-Ray Diffraction
<b>Resolution</b>	2.31 Å
<b>Ligand Chemical Component</b>	Adenosine-5'-triphosphate; chloride ion; Magnesium ion
<b>Reference</b>	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.