



BUB1 Protein Crystal

Catalog: CBCRY01

PRODUCT INFORMATION

Product Name	BUB1 Protein Crystal
Catalog Number	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 mitotic checkpoint complex and activating 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
PDBID	3E7E
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.



cDNA Length	1095
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USAGE GUIDELINES

General Handling	Avoid excessive mixing or vortexing to prevent aggregation. Long-term storage above -80°C may result in aggregate formation. Thaw on ice before use.
Storage	Short term: +2°C to +8°C (up to 1 week) Long term: -80°C (stable for 12 months)
Stability	Stable for 12 months at -80°C. Avoid repeated freeze-thaw cycles.
Freeze / Thaw	Can be frozen, but limit to 3 freeze/thaw cycles to maintain particle integrity.

Important: This product is for **research use only**. Not intended for diagnostic or therapeutic applications. Please refer to the Safety Data Sheet (SDS) for complete handling and safety information.