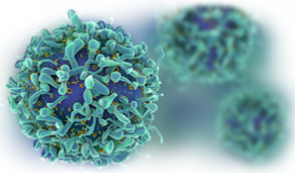


MARK2 Protein Crystal

Catalog: CBCRY41

PRODUCT INFORMATION

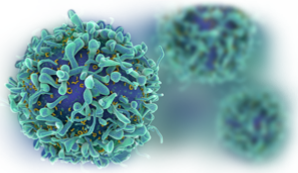
Name	MARK2 Protein Crystal
Cat No.	CBCRY41
Fragment	Residues 49-363
Protein Description	MAP/microtubule Affinity-regulating Kinase 2
Background	This gene encodes a member of the Par-1 family of serine/threonine protein kinases. The protein is an important regulator of cell polarity in epithelial and neuronal cells, and also controls the stability of microtubules through phosphorylation and inactivation of several microtubule-associating proteins. It plays a key role in cell polarity by phosphorylating the microtubule-associated proteins MAP2, MAP4 and MAPT/TAU at KXGS motifs, causing detachment from microtubules, and their disassembly.
Protein Classification	Signaling Protein/toxin
Structure Weight	201373.21 Da
Method	X-Ray Diffraction
Resolution	2.20 Å
Reference	Nesic D, Miller MC, Quinkert ZT, Stein M, Chait BT, Stebbins CE. Helicobacter pylori caga inhibits par1-mark family kinases by mimicking host substrates. Nat.Struct.Mol.Biol. (2010) 17 p.130

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.

45-1 Ramsey Road, Shirley, NY 11967, USA Tel:1-631-317-1417 Fax:1-631-207-8356

Email: info@structure-analyzer.com



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

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