



MAD2 with p31 Protein Crystal

Catalog: CBCRY03

PRODUCT INFORMATION

Name	MAD2 with p31 Protein Crystal
Cat No.	CBCRY03
Fragment	Full length Residues 36-274
Protein Description	Mad2 complexed with p31(comet)
Background	<p>The crystal structure of the Mad2-p31(comet) complex is reported. The C-terminal region of Mad2 that undergoes rearrangement in different Mad2 conformers is a major structural determinant for p31(comet) binding, explaining the specificity of p31(comet) toward Mad1- or Cdc20-bound Mad2. p31(comet) adopts a fold strikingly similar to that of Mad2 and binds at the dimerization interface of Mad2. Thus, p31(comet) exploits the two-state behavior of Mad2 to block its activation by acting as an "anti-Mad2."</p>
Protein Classification	cell cycle
Structure Weight	105471.24 Da
Method	X-Ray Diffraction
Resolution	2.30 Å
Reference	Yang, M., Li, B., Tomchick, D.R., Machius, M., Rizo, J., Yu, H., Luo, X. p31comet blocks Mad2 activation through structural mimicry. Cell(Cambridge,Mass.)2007; 131: 744-755