



# MAD2 with p31 Protein Crystal

Catalog: CBCRY03

## PRODUCT INFORMATION

<b>Name</b>	MAD2 with p31 Protein Crystal
<b>Cat No.</b>	CBCRY03
<b>Fragment</b>	Full length Residues 36-274
<b>Protein Description</b>	Mad2 complexed with p31(comet)
<b>Background</b>	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."
<b>Protein Classification</b>	cell cycle
<b>Structure Weight</b>	105471.24 Da
<b>Method</b>	X-Ray Diffraction
<b>Resolution</b>	2.30 Å
<b>Reference</b>	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