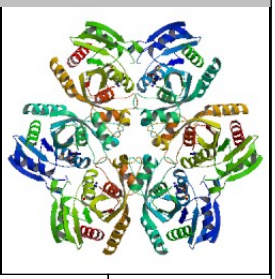
Structure Summary for 2AC7



Title	Crystal structure of Adenosine Phosphorylase from Bacillus cereus with adenosine bound in the active site
Authors	Rinaldo-Matthis, A., Allegrini, S., Sgarrella, F.
Primary Citation	Rinaldo-Matthis, A., Allegrini, S., Sgarrella, F. Adenosine Phosphorylase from Bacillus cereus *To be Published v, pp. ,*
History	**Deposition Date:** 2005-07-18 **Release Date :** 2006-07-18
Experimental Method	X-RAY DIFFRACTION

Unit Cell	Length [Å]	a	122.00	b	122.00	c	68.00
	Angles [°]	alpha	90.00	beta	90.00	gamma	120.00

NRM Ensemble	Conformers Calculated	Conformers Submitted	Selection Criteria
	n/a	n/a	n/a

NRM Refine	Method	X-RAY DIFFRACTION

Molecular Description Asymmetric Unit	Polymer: 1, Molecule: Purine nucleoside phosphorylase, EC no.: 2.4.2.1
Classification	TRANSFERASE
Source	Polymer: 1, Scientific Name: Bacillus cereus G9241, Expression System: Escherichia coli

Chemical Component

Identifier	Name	Formula
ADN	ADENOSINE	$C_{10}H_{13}N_5O_4$
SO4	SULFATE ION	O_4S

CATH Classification

Domain	Class	Architecture	Topology	Homology
2ac7A00	Alpha Beta	3-Layer(aba) Sandwich	Rossmann fold	
2ac7B00	Alpha Beta	3-Layer(aba) Sandwich	Rossmann fold	

GO Terms

Polymer	Molecular Function	Biological Process	Cellular Component
Purine nucleoside phosphorylase	none	none	none