



Full wwPDB EM Map Validation Report ⓘ

Dec 7, 2020 – 03:36 pm GMT

EMDB ID : EMD-0409
Title : Single-particle cryo-EM reconstruction of the catalytic subunit of protein kinase A bound to ATP and IP20 using 200 keV
Authors : Herzik Jr, M.A.; Wu, M.; Lander, G.C.
Deposited on : 2018-12-06
Resolution : 6.00 Å(reported)

This is a Full wwPDB EM Map Validation Report for a publicly released PDB entry.

We welcome your comments at validation@mail.wwpdb.org

A user guide is available at

<https://www.wwpdb.org/validation/2017/EMMapValidationReportHelp>

with specific help available everywhere you see the ⓘ symbol.

The following versions of software and data (see [references ⓘ](#)) were used in the production of this report:

EMDB validation analysis : **FAILED**
Validation Pipeline (wwPDB-VP) : 2.13

1 Experimental information

Property	Value	Source
EM reconstruction method	SINGLE PARTICLE	Depositor
Imposed symmetry	POINT, C1	Depositor
Number of particles used	74413	Depositor
Resolution determination method	FSC 0.143 CUT-OFF	Depositor
CTF correction method	Not provided	Depositor
Microscope	FEI TALOS ARCTICA	Depositor
Voltage (kV)	200	Depositor
Electron dose ($e^-/\text{\AA}^2$)	69.0	Depositor
Minimum defocus (nm)	5.0	Depositor
Maximum defocus (nm)	16.0	Depositor
Magnification	73000.	Depositor
Image detector	GATAN K2 SUMMIT (4k x 4k)	Depositor