



## Full wwPDB EM Validation Report ⓘ

Dec 20, 2020 – 01:12 AM EST

EMDB ID : EMD-6351  
Title : Cryo-EM structure of GDP-microtubule co-polymerized with EB3  
Authors : Zhang, R.; Alushin, G.M.; Brown, A.; Nogales, E.  
Deposited on : 2015-06-15  
Resolution : 3.40 Å(reported)

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

We welcome your comments at [validation@mail.wwpdb.org](mailto: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.

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

EMDB validation analysis : 0.0.0.dev61  
Validation Pipeline (wwPDB-VP) : 2.16

# 1 Experimental information

Property	Value	Source
EM reconstruction method	HELICAL	Depositor
Imposed symmetry	HELICAL, twist=27.71°, rise=9.42 Å, axial sym=C1	Depositor
Number of segments used	Not provided	
Resolution determination method	OTHER	Depositor
CTF correction method	CTFFIND4, each particle	Depositor
Microscope	FEI TITAN	Depositor
Voltage (kV)	300	Depositor
Electron dose ( $e^-/\text{\AA}^2$ )	27.6	Depositor
Minimum defocus (nm)	1.0	Depositor
Maximum defocus (nm)	3.5	Depositor
Magnification	27500.0	Depositor
Image detector	GATAN K2 (4k x 4k)	Depositor

## 2 Map visualisation

This section contains visualisations of the EMDB entry EMD-6351. These allow visual inspection of the internal detail of the map and identification of artifacts.

No raw map or half-maps were deposited for this entry and therefore no images, graphs, etc. pertaining to the raw map can be shown.

### 2.1 Orthogonal projections

This section was not generated.

### 2.2 Central slices

This section was not generated.

### 2.3 Largest variance slices

This section was not generated.

### 2.4 Orthogonal surface views

This section was not generated.

### 2.5 Mask visualisation

This section was not generated. No masks/segmentation were deposited.

### 3 Map analysis ⓘ

This section contains the results of statistical analysis of the map.

#### 3.1 Map-value distribution ⓘ

This section was not generated.

#### 3.2 Volume estimate versus contour level ⓘ

This section was not generated.

#### 3.3 Rotationally averaged power spectrum ⓘ

This section was not generated. The rotationally averaged power spectrum had issues being displayed.

## 4 Fourier-Shell correlation ⓘ

This section was not generated. No FSC curve or half-maps provided.