



## wwPDB EM Map Validation Summary Report ⓘ

Dec 7, 2020 – 04:30 pm GMT

EMDB ID : EMD-0737  
Title : 2-start helix structure of SBA/GN3GN microtubule with a diameter of about 29 nm  
Authors : Zhang, L.; Chen, G.S.; Chen, S.Y.  
Deposited on : 2019-08-10  
Resolution : 13.10 Å (reported)

This is a wwPDB EM Map Validation Summary 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 : **FAILED**  
Validation Pipeline (wwPDB-VP) : 2.13

# 1 Experimental information

Property	Value	Source
EM reconstruction method	HELICAL	Depositor
Imposed symmetry	HELICAL, twist=161.171°, rise=7.209 Å, axial sym=C1	Depositor
Number of segments used	10667	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 ( $e^-/\text{Å}^2$ )	30.0	Depositor
Minimum defocus (nm)	Not provided	Depositor
Maximum defocus (nm)	Not provided	Depositor
Magnification	Not provided	Depositor
Image detector	FEI CETA (4k x 4k)	Depositor