



## Full wwPDB EM Map Validation Report ⓘ

Dec 9, 2020 – 12:41 pm GMT

EMDB ID : EMD-5524  
Title : A pseudoatomic model of the COPII cage obtained from cryo-electron microscopy and mass spectrometry  
Authors : , Noble.AJ.; , Zhang.Q.; , O'Donnell.J.; , Hariri.H.; , Bhattacharya.N.; , Marshall.AG.; , Stagg.SM.  
Deposited on : 2012-10-29  
Resolution : 12.00 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](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	singleParticle	Depositor
Imposed symmetry	Not Provided	Depositor
Number of images used	23404	Depositor
Resolution determination method	FSC 0.143 CUT-OFF	Depositor
CTF correction method	phase flip of each particle	Depositor
Microscope	FEI TITAN KRIOS	Depositor
Voltage (kV)	120	Depositor
Electron dose ( $e^-/\text{\AA}^2$ )	15	Depositor
Minimum defocus (nm)	1.5	Depositor
Maximum defocus (nm)	3.5	Depositor
Magnification	37000.0	Depositor
Image detector	GATAN ULTRASCAN 4000 (4k x 4k)	Depositor