



## Full wwPDB EM Map Validation Report ⓘ

Dec 9, 2020 – 12:56 pm GMT

EMDB ID : EMD-6042  
Title : Imaging proteins and cells in liquid solution at nanometer resolution by electron microscopy  
Authors : , Ren.G.; , Peng.B.; , Zhang.L.; , Lei.D.; , Lu.Z.; , Wong.E.; , Zhang.M.; , Rames.MJ.; , Liu.J.; , De.Yoreo.JJ.; , Zhang.J.  
Deposited on : 2014-08-19  
Resolution : Not provided

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.

---

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	tomography	Depositor
Imposed symmetry	Not Provided	Depositor
Number of images used	68	Depositor
Resolution determination method	Not provided	Depositor
CTF correction method	TOMOCTF	Depositor
Microscope	ZEISS LIBRA120PLUS	Depositor
Voltage (kV)	120	Depositor
Electron dose ( $e^-/\text{\AA}^2$ )	50	Depositor
Minimum defocus (nm)	Not provided	Depositor
Maximum defocus (nm)	Not provided	Depositor
Magnification	13988.0	Depositor
Image detector	GATAN ULTRASCAN 4000 (4k x 4k)	Depositor