



## Full wwPDB EM Map Validation Report ⓘ

Dec 9, 2020 – 01:18 pm GMT

EMDB ID : EMD-7714  
Title : Single-Molecule 3D Image of neurexin 1 alpha by Individual Particle Electron Tomography (No. 057)  
Authors : , Liu.JF.; , Misra.A.; , Reddy.S.; , White.MA.; , Ren.G.; , Rudenko.G.  
Deposited on : 2018-03-27  
Resolution : 14.86 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	tomography	Depositor
Imposed symmetry	Not Provided	Depositor
Number of images used	65	Depositor
Resolution determination method	FSC 0.5 CUT-OFF	Depositor
CTF correction method	Micrographs were aligned together by IMOD. The CTF was corrected by TO-MOCTF.	Depositor
Microscope	ZEISS LIBRA120PLUS	Depositor
Voltage (kV)	120	Depositor
Electron dose ( $e^-/\text{\AA}^2$ )	15.0	Depositor
Minimum defocus (nm)	Not provided	Depositor
Maximum defocus (nm)	Not provided	Depositor
Magnification	80000.0	Depositor
Image detector	GATAN ULTRASCAN 4000 (4k x 4k)	Depositor