



Full wwPDB EM Map Validation Report ⓘ

Dec 9, 2020 – 01:17 pm GMT

EMDB ID : EMD-7680
Title : Single-Molecule 3D Image of neurexin 1 alpha by Individual Particle Electron Tomography (No. 023)
Authors : , Liu.JF.; , Misra.A.; , Reddy.S.; , White.MA.; , Ren.G.; , Rudenko.G.
Deposited on : 2018-03-27
Resolution : 14.60 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

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	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