



## Full wwPDB EM Map Validation Report ⓘ

Dec 9, 2020 – 01:18 pm GMT

EMDB ID : EMD-7737  
Title : Single-Molecule 3D Image of neurexin 1 alpha by Individual Particle Electron Tomography (No. 079)  
Authors : , Liu.JF.; , Misra.A.; , Reddy.S.; , White.MA.; , Ren.G.; , Rudenko.G.  
Deposited on : 2018-03-28  
Resolution : 14.90 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.  | Depositor |
| Image detector                       | GATAN ULTRASCAN 4000 (4k x 4k)  | Depositor |