



wwPDB EM Map Validation Summary Report ⓘ

Dec 9, 2020 – 01:17 pm GMT

EMDB ID : EMD-7682
Title : Single-Molecule 3D Image of neurexin 1 alpha by Individual Particle Electron Tomography (No. 025)
Authors : , Liu.JF.; , Misra.A.; , Reddy.S.; , White.MA.; , Ren.G.; , Rudenko.G.
Deposited on : 2018-03-27
Resolution : 14.70 Å(reported)

This is a wwPDB EM Map Validation Summary 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 |