



wwPDB EM Validation Summary Report ⓘ

Feb 26, 2025 – 03:07 pm GMT

EMDB ID : EMD-17723
Title : Cryo EM structure of the type 1m polymorph of alpha-synuclein
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Deposited on : 2023-06-24
Resolution : 3.26 Å(reported)

This is a wwPDB EM 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 types of validation reports are described at

<http://www.wwpdb.org/validation/2017/FAQs#types>.

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) : 2.41

1 Experimental information

| Property | Value | Source |
|--------------------------------------|--|-----------|
| EM reconstruction method | HELICAL | Depositor |
| Imposed symmetry | HELICAL, twist=-0.95°, rise=4.79 Å, axial sym=C1 | Depositor |
| Number of segments used | 19800 | Depositor |
| Resolution determination method | FSC 0.143 CUT-OFF | Depositor |
| CTF correction method | Not provided | |
| Microscope | FEI TITAN KRIOS | Depositor |
| Voltage (kV) | 300 | Depositor |
| Electron dose ($e^-/\text{\AA}^2$) | 69.0 | Depositor |
| Minimum defocus (nm) | 0.8 | Depositor |
| Maximum defocus (nm) | 3.0 | Depositor |
| Magnification | 130000.0 | Depositor |
| Image detector | GATAN K3 BIOQUANTUM (6k x 4k) | Depositor |