



Full wwPDB EM Map Validation Report ⓘ

Dec 9, 2020 – 11:12 am GMT

EMDB ID : EMD-20667
Title : Biochemical and structural analysis of the Neurofibromin (NF1) protein reveals high-affinity dimer formation
Authors : , Juneja.P.; , Sherekar.M.; , Esposito.D.; , Han.SW.; , Ghirlando.R.; , Messing.S.; , Drew.M.; , Niel.OH.; , Stanley.C.; , Bhowmik.D.; , Ramanathan.A.; , Subramaniam.S.; , Nissley.D.; , Gillette.W.; , McCormick.F.
Deposited on : 2019-08-30
Resolution : 18.50 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	singleParticle	Depositor
Imposed symmetry	POINT, C2	Depositor
Number of images used	30588	Depositor
Resolution determination method	FSC 0.5 CUT-OFF	Depositor
CTF correction method	Not provided	Depositor
Microscope	FEI TECNAI 12	Depositor
Voltage (kV)	120	Depositor
Electron dose ($e^-/\text{\AA}^2$)	30.0	Depositor
Minimum defocus (nm)	Not provided	Depositor
Maximum defocus (nm)	Not provided	Depositor
Magnification	Not provided	Depositor
Image detector	GATAN ULTRASCAN 4000 (4k x 4k)	Depositor