



Full wwPDB EM Validation Report ⓘ

Feb 27, 2025 – 06:08 pm GMT

EMDB ID : EMD-50741
Title : Structure of the human two pore domain potassium ion channel THIK-1
(K2P13.1) in a closed conformation
Authors : Rodstrom, K.E.J.; Tucker, S.J.
Deposited on : 2024-06-24
Resolution : 3.16 Å(reported)

This is a Full wwPDB EM 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 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	SINGLE PARTICLE	Depositor
Imposed symmetry	POINT, C2	Depositor
Number of particles used	302189	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 ($e^-/\text{\AA}^2$)	42.54	Depositor
Minimum defocus (nm)	1.0	Depositor
Maximum defocus (nm)	2.3000000000000003	Depositor
Magnification	105000.0	Depositor
Image detector	GATAN K3 BIOQUANTUM (6k x 4k)	Depositor