



## wwPDB EM Validation Summary Report ⓘ

Feb 27, 2025 – 03:07 pm GMT

EMDB ID : EMD-52781  
Title : Structure of beta-lactoglobulin fibril  
Authors : Sternke-Hoffmann, R.; Rhyner, D.; Qureshi, B.; Riek, R.; Greenwald, J.; Luo, J.  
Deposited on : 2025-02-10  
Resolution : 3.17 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](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.

The types of validation reports are described at

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

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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) : 2.41

# 1 Experimental information

Property	Value	Source
EM reconstruction method	HELICAL	Depositor
Imposed symmetry	HELICAL, twist=-2.73567°, rise=4.80359 Å, axial sym=C1	Depositor
Number of segments used	67843	Depositor
Resolution determination method	FSC 0.143 CUT-OFF	Depositor
CTF correction method	Not provided	
Microscope	TFS KRIOS	Depositor
Voltage (kV)	300	Depositor
Electron dose ( $e^-/\text{Å}^2$ )	57.5	Depositor
Minimum defocus (nm)	0.5	Depositor
Maximum defocus (nm)	2.5	Depositor
Magnification	130000.0	Depositor
Image detector	GATAN K3 BIOQUANTUM (6k x 4k)	Depositor