

Summary of integrative structure determination of The proteasome-interacting Ecm29 protein disassembles the 26S proteasome in response to oxidative stress (PDB ID: 8ZZQ | pdb_00008zzq, PDB-Dev ID: PDBDEV_0000026)

1. Model Composition	
1.1. Entry composition	<ul style="list-style-type: none"> - Rpt6: chain(s) A (406 residues) - Rpt4: chain(s) B (389 residues) - Rpt5: chain(s) C (439 residues) - Rpt2: chain(s) D (440 residues) - Rpt3: chain(s) E (418 residues) - Rpt1: chain(s) F (433 residues) - Rpn12: chain(s) G (350 residues) - Rpn10: chain(s) H (377 residues) - Rpn11: chain(s) I (310 residues) - Rpn15: chain(s) J (70 residues) - Rpn1: chain(s) K (908 residues) - Rpn2: chain(s) L (953 residues) - Rpn3: chain(s) M (534 residues) - Rpn5: chain(s) N (456 residues) - Rpn6: chain(s) O (422 residues) - Rpn7: chain(s) P (389 residues) - Rpn8: chain(s) Q (324 residues) - Rpn9: chain(s) R (376 residues) - ecm29: chain(s) S (1845 residues)
1.2. Datasets used for modeling	<ul style="list-style-type: none"> - Experimental model, PDB: pdb_00005gjr - Experimental model, Zenodo: 10.5281/zenodo.1445841 - Experimental model, PDB: pdb_00001u6g - Comparative model, Zenodo: 10.5281/zenodo.1445841 - Experimental model, PDB: pdb_00003w3w - Comparative model, Zenodo: 10.5281/zenodo.1445841 - Crosslinking-MS data, Zenodo: 10.5281/zenodo.1445841
2. Representation	
2.1. Number of representations	1
2.2. Scale	Multiscale: Coarse-grained: 1 - 10 residue(s) per bead
2.3. Number of rigid and flexible segments	7, 101
3. Restraints	
3.1. Physical principles	Information about physical principles was not provided
3.2. Experimental data	- 1 unique CrossLinkRestraint: DSSO, 63 crosslinks
4. Validation	
4.2. Number of ensembles	2
4.3. Number of models in ensembles	11980, 6261
4.4. Number of deposited models	2

4.5. Model precision	- 60.00, Å - 60.00, Å
4.6. Data quality	Data quality has not been assessed
4.7. Model quality: assessment of excluded volume	Satisfaction: 99.93-99.93%
4.8. Fit to data used for modeling	Satisfaction of crosslinks: 52.38-53.97%
4.9. Fit to data used for validation	Fit of model to information not used to compute it has not been determined
5. Methodology and Software	
1. 5.1. Method name	Sampling
5.2. Method type	Replica exchange monte carlo
5.4. Number of computed models	3750000
5.5. Software	- IMP PMI module (version develop-7c7c0f4348) - Integrative Modeling Platform (IMP) (version develop-0a5706e202) - MODELLER (version 9.17)