

## Summary of integrative structure determination of mTORC2-AKT1 (PDB ID: 9AAA | pdb\_00009aaa)

<b>1. Model Composition</b>	
<a href="#">1.1. Entry composition</a>	<ul style="list-style-type: none"> <li>- MTOR: chain(s) A, B (2549 residues)</li> <li>- RICTOR: chain(s) C, D (1708 residues)</li> <li>- MLST8: chain(s) E, F (326 residues)</li> <li>- MSIN1: chain(s) G, H (522 residues)</li> <li>- AKT1: chain(s) I, J (480 residues)</li> </ul>
<a href="#">1.2. Datasets used for modeling</a>	<ul style="list-style-type: none"> <li>- Experimental model, PDB: <a href="#">pdb_00009zbk</a></li> <li>- Experimental model, PDB: <a href="#">pdb_00007lc1</a></li> <li>- De Novo model, AlphaFoldDB: <a href="#">AF-P31749-F1</a></li> <li>- Crosslinking-MS data, Zenodo: <a href="#">10.5281/zenodo.17237325</a></li> <li>- Crosslinking-MS data, Zenodo: <a href="#">10.5281/zenodo.17237325</a></li> <li>- 3DEM volume, EMDB: <a href="#">EMD-44037</a></li> <li>- 3DEM volume, Zenodo: <a href="#">10.5281/zenodo.17237325</a></li> </ul>
<b>2. Representation</b>	
<a href="#">2.1. Number of representations</a>	1
<a href="#">2.2. Scale</a>	Multiscale: Coarse-grained: 1 - 10 residue(s) per bead
<a href="#">2.3. Number of rigid and flexible segments</a>	64, 66
<b>3. Restraints</b>	
<a href="#">3.1. Physical principles</a>	Information about physical principles was not provided
<a href="#">3.2. Experimental data</a>	<ul style="list-style-type: none"> <li>- 1 unique CrossLinkRestraint: DSS, 182 crosslinks</li> <li>- 1 unique CrossLinkRestraint: EDC, 19 crosslinks</li> <li>- 1 unique EM3DRestraint: Gaussian mixture models</li> </ul>
<b>4. Validation</b>	
<a href="#">4.2. Number of ensembles</a>	1
<a href="#">4.3. Number of models in ensembles</a>	1
<a href="#">4.4. Number of deposited models</a>	1
<a href="#">4.5. Model precision</a>	Not available
<a href="#">4.6. Data quality</a>	Data quality has not been assessed
<a href="#">4.7. Model quality: assessment of excluded volume</a>	Satisfaction: 99.95%
<a href="#">4.8. Fit to data used for modeling</a>	Satisfaction of crosslinks: 77.50%
<a href="#">4.9. Fit to data used for validation</a>	Fit of model to information not used to compute it has not been determined

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<b>5. Methodology and Software</b>	
1. <a href="#">5.1. Method name</a>	Sampling
<a href="#">5.2. Method type</a>	Replica exchange monte carlo
<a href="#">5.4. Number of computed models</a>	1
<a href="#">5.5. Software</a>	<ul style="list-style-type: none"><li>- <a href="#">IMP PMI module</a> (version 2.21.0)</li><li>- <a href="#">Integrative Modeling Platform (IMP)</a> (version 2.21.0)</li></ul>