

Summary of integrative structure determination of Bovine adenylyl cyclase 8 in complex with the G protein heterodimer G beta gamma (PDB ID: 9A3T | pdb_00009a3t, PDB-Dev ID: PDBDEV_00000214)

1. Model Composition	
1.1. Entry composition	- Adenylate cyclase type 8: chain(s) A (890 residues) - Guanine nucleotide-binding protein G(I)/G(S)/G(T) subunit beta-1: chain(s) B (339 residues) - Guanine nucleotide-binding protein G(I)/G(S)/G(O) subunit gamma-2: chain(s) C (46 residues)
1.2. Datasets used for modeling	- Experimental model, PDB: pdb_00001xhm - Experimental model, PDB: pdb_00008buz - Crosslinking-MS data, PRIDE: PXD040374
2. Representation	
2.1. Number of representations	1
2.2. Scale	Atomic
2.3. Number of rigid and flexible segments	0, 3
3. Restraints	
3.1. Physical principles	Information about physical principles was not provided
3.2. Experimental data	- 1 unique CrossLinkRestraint: PDH, 2 crosslinks - 1 unique CrossLinkRestraint: DMTMM, 1 crosslinks
4. Validation	
4.2. Number of ensembles	0
4.3. Number of models in ensembles	Not applicable
4.4. Number of deposited models	1
4.5. Model precision	Not available
4.6. Data quality	Data quality has not been assessed
4.7. Model quality: assessment of atomic segments	- Clashscore: 11.50 - Ramachandran outliers: 11 - Sidechain outliers: 125
4.8. Fit to data used for modeling	Satisfaction of crosslinks: 100.00%
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	Identification of crosslinked residues
5.2. Method type	Crosslinked residues were identified from the acquired mass spectrometry data based on the presence of heavy/light pairs of linked peptides.
2. 5.1. Method name	Docking
5.2. Method type	Accessible interaction space was assessed with DisVis, solvent accessible residues were determined with GetArea. The information from these steps was used for docking with HADDOCK.
5.4. Number of computed models	1
5.5. Software	- xQuest (version 2.1.5) - HADDOCK (version 2.4) - DisVis (version Not available) - GetArea (version Not available)