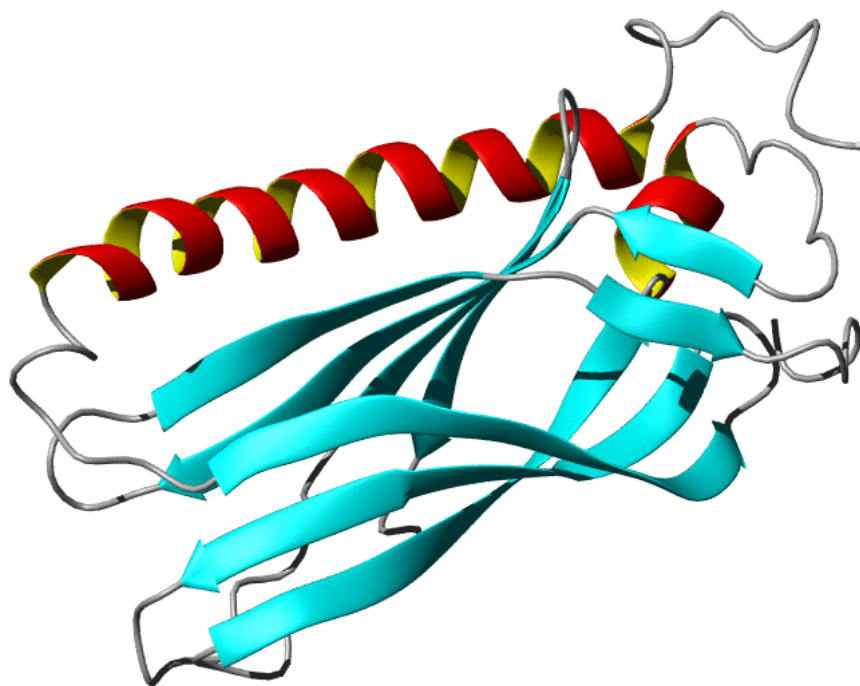


Center for Eukaryotic Structural Genomics

Protein Structure Data Summary

Target ID	GO.9943	
Source Organism	<i>Arabidopsis thaliana</i>	
Target Name	At2g46140.1	
PDB Entry	1YYC	Deposition: 24-Feb-2005
BMRB Entry	6515	Deposition: 05-Apr-2005
Function	putative late embryogenesis abundant (LEA) protein	
Produced From	Cell-free (wheat germ extract)	
Structure by NMR	Restraints/Residue: N/A	Subunits/Molecule: 1
	No. of Residues: 174	Molecular Weight: 19.0 kDa
	Backbone RMSD(12-167): 0.63 Å	All Heavy Atoms RMSD(12-167): 1.17 Å
Data Collected At	Nuclear Magnetic Resonance Facility at Madison (NMRFAM)	
Authors	Song, J., Tyler, R.C., Lee, M.S., Markley, J.L.	



Structural Features

This is largely beta-sheet protein with long helix at the N-terminus and a small helix at the middle of the protein. The Helices are from residues 12-41 and 121-126. The Beta Sheets are from residues 46-54, 62-72, 80-88, 94-99, 109-119, 135-149, and 153-167.

Percent Identity with Nearest PDB Structure at Time Solved	59% coverage (1XO8)
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Pfam Cluster	N/A
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Protonet Cluster Size : Structures in PDB	100
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