

Center for Eukaryotic Structural Genomics

Protein Structure Initiative



CESG ORF No.	24315	
Organism	<i>Arabidopsis thaliana</i>	
Gene Designator	At5g01610.1	
PDB Entry	1YDU	Deposition: 26-Dec-2004
BMRB Entry	6443	Deposition: 15-Feb-2005
Function	protein containing DUF538 domain	
Produced From	<i>E. coli</i> B834(DE3) p(LacI+RARE)	
Structure by NMR	Restraints/Residue: ~15	Subunits/Molecule: 1
	No. of Residues: 170	Molecular Weight: 19.1 kDa
	Backbone RMSD(55-160): 1.18 Å	All Heavy Atoms RMSD(55-160): 1.75 Å
Data Collected At	Nuclear Magnetic Resonance Facility at Madison (NMRFAM)	
Authors	Zhao, Q., Cornilescu, C., Lee, M.S., Markley, J.L.	



Structural Features

The NMR structure of At5g01610.1, an *Arabidopsis thaliana* protein containing DUF538 domain. The structure consists of a 11 beta sheets and 2 alpha helices. The function of At5g01610.1 has yet to be determined.

Percent Identity with Nearest PDB Structure at Time Solved	16% coverage (1GFH)
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Pfam Cluster	DUF538
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Sequence Family Size	120
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