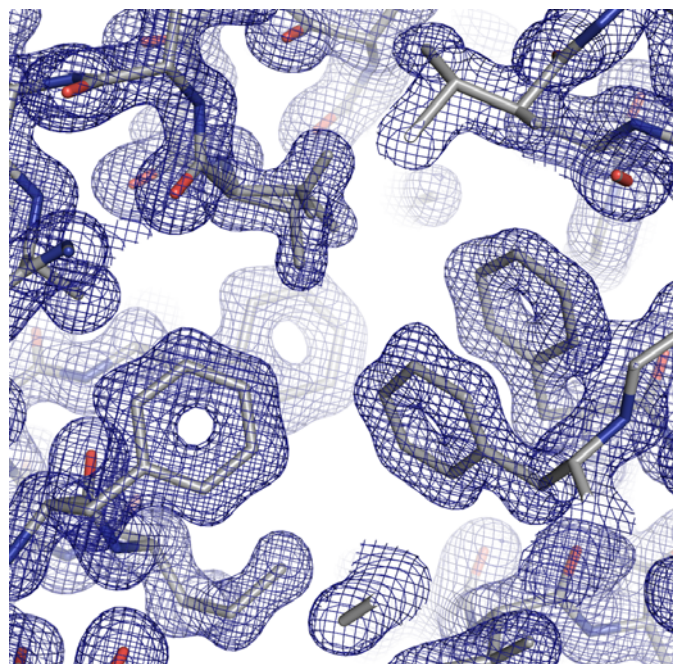
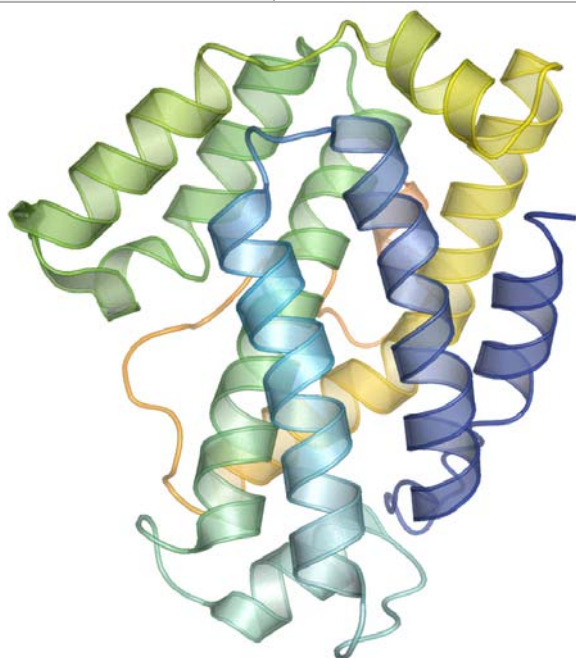




Target ID	GO.80017	
Source Organism	<i>Galdieria sulphuraria</i>	
Target Name	c503_101305g25.t1	
PDB Entry	2I3F	Deposition: 18-Aug-2006
Function	glycolipid transfer-like protein (FF/Refine: 2Q52)	
Produced From	<i>E. coli</i> B834 pRARE2	
Structure by X-ray	Resolution: 1.38Å	R-value (R-free): 18.2% (21.3%)
	No. of Residues/ASU: 448 (430)	Monomers/ASU: 2
Data Collected At	Advanced Photon Source 22-ID 04-Aug-2006	
Authors	J.G. McCoy, G.E. Wesenberg, G.N. Phillips, Jr., E. Bitto, C.A. Bingman	



Structural Features

The protein product of gene c503_101305g25.t1 from *Galdieria sulphuraria* shows limited homology to a number of annotated glycolipid transfer proteins. The most similar structure in the Protein Data Bank is bovine glycolipid transfer protein which shares 27% identity to the *Galdieria* protein. The protein also shares 26% identity with the HET-C2 protein from the fungus *Podospora anserina*, which was shown to specifically bind glycosphingolipids *in vitro*. The structure is characterized by two layers of helices. The channel formed at the intersection of the two helices is strongly hydrophobic.

Percent Identity with Nearest PDB Structure at Time Solved	27% (1SX6)
Pfam Cluster	Saposin (?)
Sequence Cluster Size : Structures in PDB	138 NR at e<0.1 : 2

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