

**Biology Department  
Publications  
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Rao, K. N., **Kumaran, D.**, Seetharaman, J., Bonanno, J. B., Burley, S. K., and **Swaminathan, S.** Crystal structure of trehalose-6-phosphate phosphatase-related protein: Biochemical and biological implications. *Protein Science* 15(7): 1735-1744 (July, 2006). Cover: Ribbon representation of trehalose-6-phosphate phosphatase with its hydrolase and cap domains in blue and red. Magnesium ion (Mg, in magenta) required for catalytic activity and the coordinating residues (in yellow) are shown in ball-and-stick model. A sodium ion and glycerol molecules present in the crystal structure are also shown. The glycerol molecule at the active site occupies the trehalose-6-phosphate binding site.

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