



The Center for Eukaryotic Structural Genomics: Technologies and Structures

J. Primm, D. Aceti, A. Bahrami, E. Beebe, L. Bergeman, S. Burgie, C. Bianchetti, C. Bingham, E. Bitto, R. Chylla, C. Cornilescu, B. Fox, R. Frederick, M. Goren, L. Grundhoefer, K. Gromek, D. Kondrashov, B. Lytle, S. Makino, J. Markley, Y. Matsubara, J. McCoy, K. Nichols, A. Nozawa, X. Pan, F. Peterson, G. Phillips, S. Sahu, D. Troester, F. Vojtk, B. Volkman, G. Wesenberg, R. Wrobel, and Z. Zolnai

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The Center for Eukaryotic Structural Genomics (CESG) aims to be a leading center for developing and disseminating tested technologies to solve structures of novel eukaryotic proteins. We create, evaluate, and optimize innovative protein production and eukaryotic proteins in active and soluble form. We refine methods for improving the yield of structures from high-value targets, in particular proteins from humans and other

vertebrates. We seek to improve the efficiency of all stages from target selection to three-dimensional structure determination by X-ray crystallography or NMR spectroscopy.

We actively share our advances with the biotechnology, pharmaceutical, and academic communities through collaborations, oral presentations, peer-reviewed

articles, submissions to public databases and material repositories, and by conducting technology transfer workshops. Technologies (many of which will be presented) are tested by completing novel and community-requested structures for PDB, BMRB, and MR deposition. All CESG protein production protocols and Technology Dissemination reports are accessible at the PSI Knowledgebase and CESG's website.



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Protein Structure Data Summary

Target ID: Q95D12
Accession: Q95D12 (1-305)
Source Organism: Homo sapiens
Gene Name: PPIA
PDB Entry: 3PPI
Function: Peptidyl prolyl isomerase
Produced From: E. coli
Production System: pET28a(+)-pET28a(+)
Protein Size: 305 aa
Data Collected At: PSI, UW-Madison, USA
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