

RNA

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Cover Illustration: Complex of arginyl-tRNA-protein transferase 1 (ATE1) with tRNA^{Arg} and a short peptide substrate (PDB id: 8UAU; Lan X, Huang W, Kim SB, Fu D, Abeywansha T, Lou J, Balamurugan U, Kwon YT, Ji CH, Taylor DJ, Zhang Y. 2024. Oligomerization and a distinct tRNA-binding loop are important regulators of human arginyl-transferase function. *Nat Commun* **15**: 6350). The ATE1 homodimer dissociates upon binding the peptide and forms a loop that wraps around tRNA^{Arg}. The tRNA^{Arg} is depicted by a red ribbon, with bases and Watson–Crick base pairs represented as color-coded blocks: A/A-U in red, C/C-G in yellow, G/G-C in green, U/U-A in cyan; ATE1 is shown by a gold ribbon and the peptide by a white ribbon. Cover image provided by X3DNA-DSSR, an NIGMS National Resource for structural bioinformatics of nucleic acids (R24GM153869; skmatics.x3dna.org). Image generated using DSSR and PyMOL (Lu XJ. 2020. *Nucleic Acids Res* **48**: e74).

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^{OA}Open Access paper