

RNA

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Cover Illustration: Complex of terminal uridylyltransferase 7 (TUT7) with pre-miRNA and Lin28A (PDB id: 8OPT; Yi G, Ye M, Carrique L, El-Sagheer A, Brown T, Norbury CJ, Zhang P, Gilbert RJ. 2024. Structural basis for activity switching in polymerases determining the fate of let-7 pre-miRNAs. *Nat Struct Mol Biol* **31**: 1426–1438). The RNA-binding pluripotency factor LIN28A invades and melts the RNA and affects the mechanism of action of the TUT7 enzyme. The RNA backbone 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; TUT7 is represented by a gold ribbon and LIN28A by a white ribbon. Cover image provided by X3DNA-DSSR, an NIGMS National Resource for structural bio-informatics 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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