

RNA

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Cover Illustration: Structure of the human minor spliceosome pre-B complex (PDB id: 8Y7E; Bai R, Yuan M, Zhang P, Luo T, Shi Y, Wan R. 2024. Structural basis of U12-type intron engagement by the fully assembled human minor spliceosome. Science 383: 1245–1252). The protein–RNA assembly reveals the mechanisms of recognition and recruitment of several small nuclear ribonucleoproteins (snRNPs) involved in the splicing of U12-type introns. The pre-mRNA is depicted by a red ribbon, and the U12 small nuclear RNA (snRNA) by a green 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; the proteins are shown as gold ribbons. 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