

RNA

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Cover Illustration: Cas9 nuclease-sgRNA complex with anti-CRISPR protein inhibitor (PDB id: 6JE9; Sun W, Yang J, Cheng Z, Amrani N, Liu C, Wang K, Ibraheim R, Edraki A, Huang X, Wang M, et al. 2019. Structures of Neisseria meningitidis Cas9 complexes in catalytically poised and anti-CRISPR-inhibited states. Mol Cell 76: 938–952.e5). Nme1Cas9, a compact nuclease for in vivo genome editing. AcrIIC3 is an anti-CRISPR protein inhibitor. RNA backbones are displayed as red ribbons; block bases use NDB colors: A—red, C—yellow, G—green, U—cyan; Nme1Cas9 nucleases are displayed as white ribbons; AcrIIC3 inhibitors (two copies bound between two nucleases) are displayed as light cyan ribbons. Cover image provided by the Nucleic Acid Database (ndbserver.rutgers.edu). Image generated using DSSR and PyMOL (Lu XJ. 2020. Nucleic Acids Res. 48: e74).

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