

RNA

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*Cover Illustration: Human adenosine deaminase acting on dsRNA (PDB id: 7KFN; Doherty EE, Wilcox XE, van Sint Fiet L, Kemmel C, Turunen JJ, Klein B, Tantillo DJ, Fisher AJ, Beal PA. 2021. Rational design of RNA editing guide strands: cytidine analogs at the orphan position. J Am Chem Soc **143**: 6865–6876). Adenosine deaminases acting on RNA (ADARs) convert adenosine to inosine in double-stranded RNA. ADARs can be directed to predetermined target sites in the transcriptome by complementary guide strands, allowing for the correction of disease-causing mutations at the RNA level. RNA backbone is displayed as a red ribbon; block bases use NDB colors: A—red, C—yellow, G—green, U—cyan; protein is displayed as a gold ribbon. 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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