



RNA Turnover in Eukaryotes: Nucleases, Pathways and Analysis of mRNA Decay (Hardback)

By -

Elsevier Science Publishing Co Inc, United States, 2008. Hardback. Book Condition: New. 231 x 160 mm. Language: English . Brand New Book. Specific complexes of protein and RNA carry out many essential biological functions, including RNA processing, RNA turnover, RNA folding, as well as the translation of genetic information from mRNA into protein sequences. Messenger RNA (mRNA) decay is now emerging as an important control point and a major contributor to gene expression. Continuing identification of the protein factors and cofactors, and mRNA instability elements responsible for mRNA decay allow researchers to build a comprehensive picture of the highly orchestrated processes involved in mRNA decay and its regulation. Covers the nonsense-mediated mRNA decay (NMD) or mRNA surveillance pathway Expert researchers introduce the most advanced technologies and techniques to identify mRNA processing, transport, localization and turnover, which are central to the process of gene expression Offers step-by-step lab instructions, including necessary equipment and reagents.

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