

The stability of an mRNA transcript influences the number of protein molecules that can be produced from it. Which of the following affects the stability of an mRNA transcript?

- A the length of the introns
- B the length of the exons
- C the length of the poly-A tail

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Enzymes degrade mRNA transcripts from the poly-A tail on up. The longer the tail, the longer the message will persist in the cytoplasm.

Answer **C**.