

The diagram illustrates the structure of a protein-coding gene and its expression. The top part shows a linear sequence of exons (green rectangles) and introns (blue lines) connected by arrows indicating the direction of transcription. A legend on the right identifies the colors: green for exons, blue for introns, and black for the start codon. The bottom part shows a similar sequence for a non-coding gene, with exons (green rectangles) and introns (blue lines) connected by arrows.

