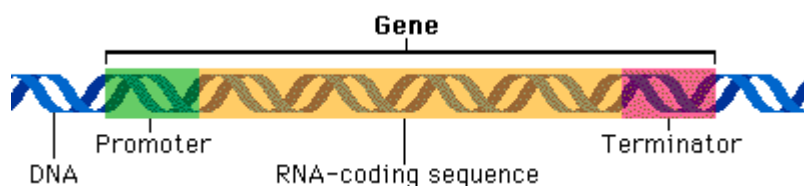


# Protein coding gene

A **protein** coding **gene** consists of a **promoter** followed by the **coding sequence** for the protein and then a **terminator**.



The **promoter** is a **base pair** sequence that specifies where **transcription** begins.

The coding sequence is a base-pair sequence that includes coding information for the **polypeptide** chain specified by the gene.

The terminator is a sequence that specifies the end of the **mRNA** transcript.

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