

GAAACAACCTCGGC



The diagram illustrates a DNA double helix structure. The top strand is composed of the sequence GAAACAACCTCGGC, with the bases colored as follows: G (orange), A (green), A (green), A (green), C (blue), A (green), C (blue), T (red), C (blue), G (orange), and C (blue). The bottom strand is partially visible, showing the complementary bases C (blue), T (red), G (orange), and A (green) corresponding to the first four bases of the top strand. A red horizontal line is positioned below the bottom strand, and a green horizontal line is positioned above it, indicating the sugar-phosphate backbone. A small orange oval is located between the third and fourth bases of the top strand, representing a mutation or a specific base pairing.