

The diagram illustrates a tRNA molecule in its cloverleaf tertiary structure. The 5' end is labeled '5'' and the 3' end is labeled '3''. The anticodon loop at the 3' end contains the anticodon sequence GAC (written in red). The codon loop at the 5' end contains the codon sequence UAC (written in red). The anticodon GAC is shown base-paired with the codon UAC via three hydrogen bonds (G-C, A-U, C-G). The tRNA molecule is composed of four nucleic acid chains (red, blue, green, and orange) that form the cloverleaf structure. The anticodon is located at the 3' end, and the codon is located at the 5' end.