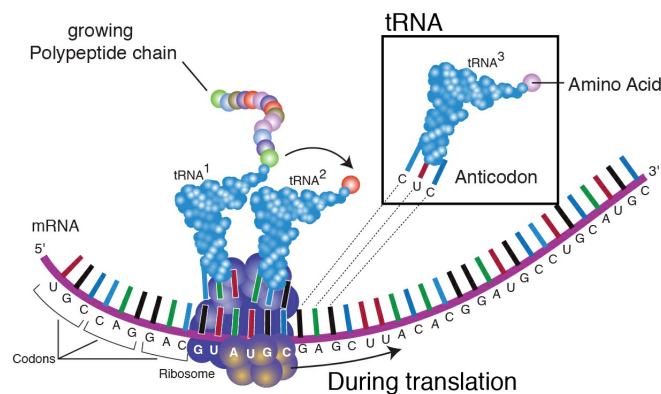


Transfer RNA (tRNA)

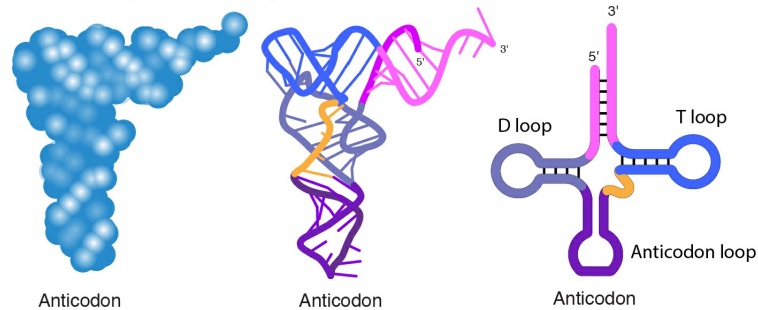
National Human Genome Research Institute (NHGRI)

Source

National Human Genome Research Institute (NHGRI). *Transfer RNA (tRNA)*.



Common ways of illustrating tRNA



Transfer RNA (tRNA) is a small RNA molecule that participates in protein synthesis. Each tRNA molecule has two important areas: a trinucleotide region called the anticodon and a region for attaching a specific amino acid. During translation, each time an amino acid is added to the growing chain, a tRNA molecule forms base pairs with its complementary sequence on the messenger RNA (mRNA) molecule, ensuring that the appropriate amino acid is inserted into the protein.