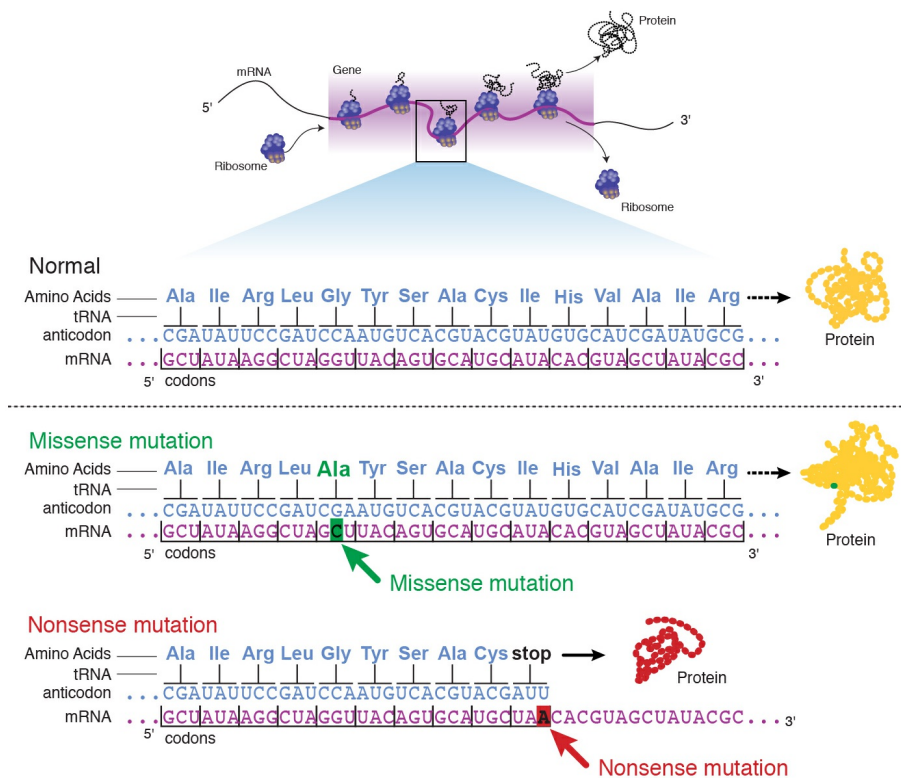


Point Mutation

National Human Genome Research Institute (NHGRI)

Source

National Human Genome Research Institute (NHGRI). *Point Mutation*.



A point mutation is when a single base pair is altered. Point mutations can have one of three effects. First, the base substitution can be a silent mutation where the altered codon corresponds to the same amino acid. Second, the base substitution can be a missense mutation where the altered codon corresponds to a different amino acid. Or third, the base substitution can be a nonsense mutation where the altered codon corresponds to a stop signal.