

Properties of Genetic Code

7. Co-linearity:

DNA is a linear polynucleotide chain and **a protein is a linear polypeptide chain**. The sequence of amino acids in a polypeptide chain corresponds to the sequence of nucleotide bases in the gene (DNA) that codes for it. Change in **a specific codon in DNA produces a change of amino acid in the corresponding position in the polypeptide**. The gene and the polypeptide it codes for are said to be co-linear.

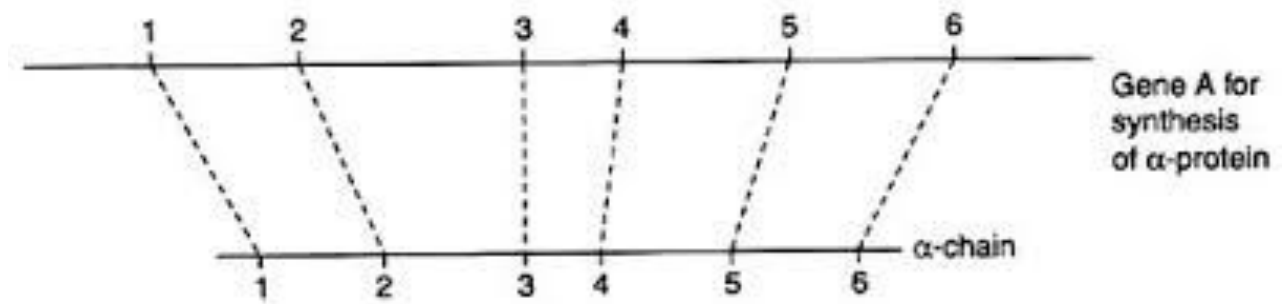


Fig. 15.3 Diagram illustrating colinearity between gene and protein.

