

SC.912.L.16.3 – DNA Replication – Example 5 Answer

The sequence of DNA below is part of a gene. How many amino acids are coded for by this segment?

5' ATCAGCGCTGGC 3'

A. 4

B. 8

C. 12

D. 20

Answer

A. 4

Each section of three nucleotides (called a triad) codes for one amino acid. Since there are four triads here, this piece of DNA codes for 4 amino acids.