

Tryptophan synthetase A

Here is the amino acid sequence in just one protein in your body. We have written the formula for this protein from left to right. Each unit is integrally connected to the next, as shown below without spaces between amino acids. But, if they were separated, the sequence would read like this: Methionyl, glutaminyl, arginyl, tyrosyl, glutaminyl, etc.

Methionylglutaminylarginyltyrosylglutamylserylleucylphenylalanylalanylglutaminylleucyllysylglutamylarginylslyglutamylglycylalanylphenylalanylvalylprolylphenylalanylvalylthreonylleucylglycylaspartylprolylglcylisoleucylglutamylglutaminylserylleucyllysylisoleucylaspartylthreonylleucylisoleucylglutamylalanylglycylalanylasparylalanylleucylglutamylleucylglycylisoleucylprolylphenylalanylserylaspartylprolylleucylalanylasparylglcylprolylthreonylisoleucylglutaminylasparaginyalanylthreonylleucylarginylalanylphenylalanylalanylalanylglycylvalylthreonylprolyalanylglutaminylcysteinylphenylalanylglutamylmethionylmethionylleucylalanylleucylisoleucylarginylglutaminyllsylhistidylprolylthreonylisoleucylprolylisoleucylglycylleucylleucylmethionyltyrosylalanylasparaginylleucylvalyl-

phenylalanylasparaginyllsylglycylisoleucylaspartylglutamylphenylalanyltyrosylalanylglutaminylcysteinylglutamyllysylvalylglycylvalylaspartylserylvalylleucylvalylalanylaspartylvalylprolylvalylglutaminyglutamylseryalanyprolylphenylalanylarginylglutaminyalanylalanylleucylarginylhistidylasparaginyvalylalanylprolylisoleucylphenylalanylisoleucylcysteinylprolylprolylaspartylalanylaspartylaspartylaspartylleucylleucylarginylglutaminyisoleucylalanylseryltyrosylglycylarginylglycyltyrosylthreonyltyrosylleucylleucylserylarginylalanylglycylvalylthreonylglcylalanylglutamylasparaginylarginylalanylalanylleucylprolylleucylasparaginylhaistidylleucylvalylalanyllsylleucyllysylglutamyltyrosylasparaginyalanylalanylprolylprolylleucylglutaminylglcylphenylalanylglycylisoleucylerylalanylprolylaspartylglutaminyvalyllysylalanylalanylisoleucylaspartylalanylglycylalanlalanylglycylalanylisoleucylseryglycylserylalanylisoleucylvalyllysylisoleucylisoleucylglutamylglutaminyhistidylasparaginylisoleucylglutamylprolylglutamyllysylmethionylleucylalancylalanylleucyllysylvalylphenylalanylvalylglutaminyprolylethionyllysylalanylalthreonylarginylserine.