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Transfer RNA

National Cancer Institute

Source

National Cancer Institute. *Transfer RNA*. NCI Thesaurus. Code C816.

A class of short adaptor RNAs that transfers a specific amino acid to a growing polypeptide chain at the ribosomal site of protein synthesis during translation. Each transfer RNA comprises a three-nucleotide sequence that is complementary to the triplet nucleotide coding sequence of an mRNA, conferring specificity to the amino acid being incorporated into the assembling protein.