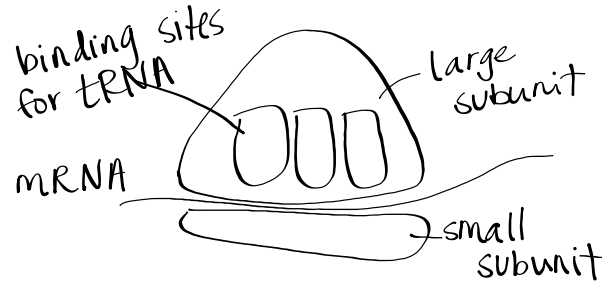


Translation RNA → protein

- occurs in the ribosome
 - ribosomes are made of rRNA



- proteins are polymers made up of monomers called amino acids linked by peptide bonds.
- 20 amino acids
- codon: codes for an amino acid
 - found on mRNA
 - 3 nucleotides

ex: 5' CGA ACG 3'
 codon codon

Arg-Thr

Types of codons

1. start codon: start translation
 AUG
 met - amino acid
2. stop codon: stop translation

Example:

mRNA: 5' C U G A U G G U U C U A U A A G A C 3'
 met val leu

amino acid sequence

CAUGGCA