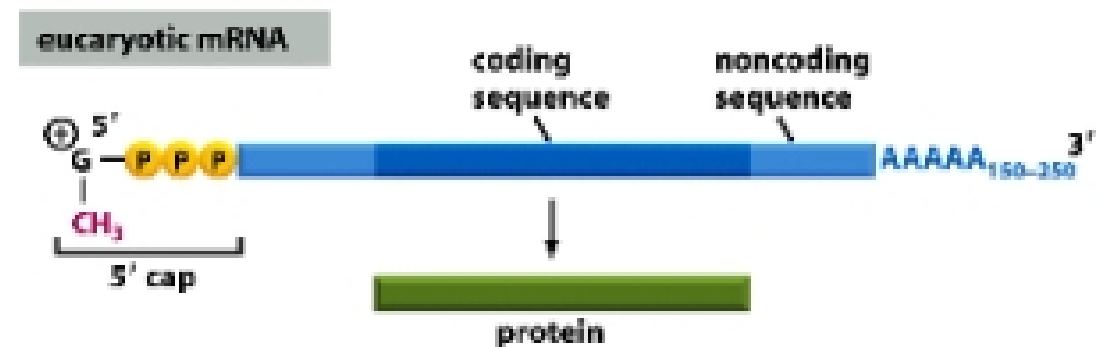




# Features of Euk. mRNAs

- 5' end
  - **5' cap** = bound by protein synthesis initiation factors
    - how we know mRNA is ready for translation
  - **5' UTR** (Untranslated Region) = contributes to selection of translation start site
- 3' end
  - **poly(A) tail** = influences initiation of translation



# RIBOSOME

- **ribosome** = translation “machine”
  - 4 ribosomal RNAs (**rRNAs**)
  - 82 polypeptides
- mRNA = template for protein synthesis

