Chapter 29
Translation

Codon - definition -

Genetic code -

Properties of genetic code -

Proline AA

One AA can be represented by
Multiple codons c/a-

CCU CCA CCG CCC

One codon can represent only
One AA c/a-

Proline

☆ Methionine & tryptophan have ……..

☆ Serine , leucine & arginine have ……

For translation - starting codon -
Stop codon-

21st AA - …… -->
22nd AA - …… -->

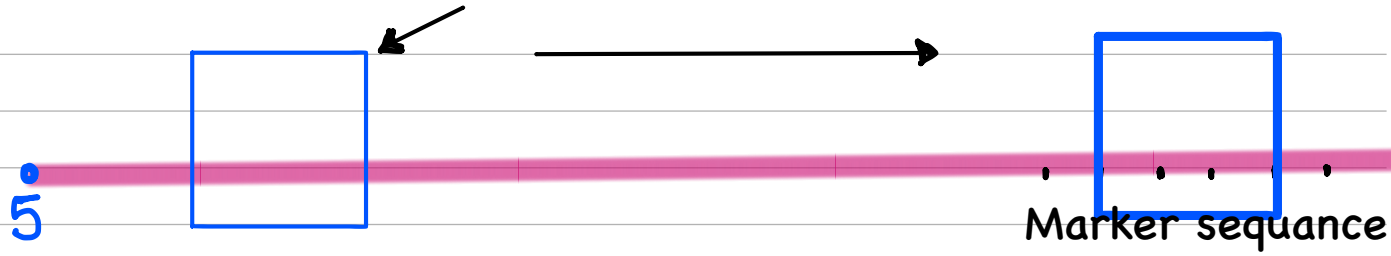
Steps of translation

1 -



2 -

3 -

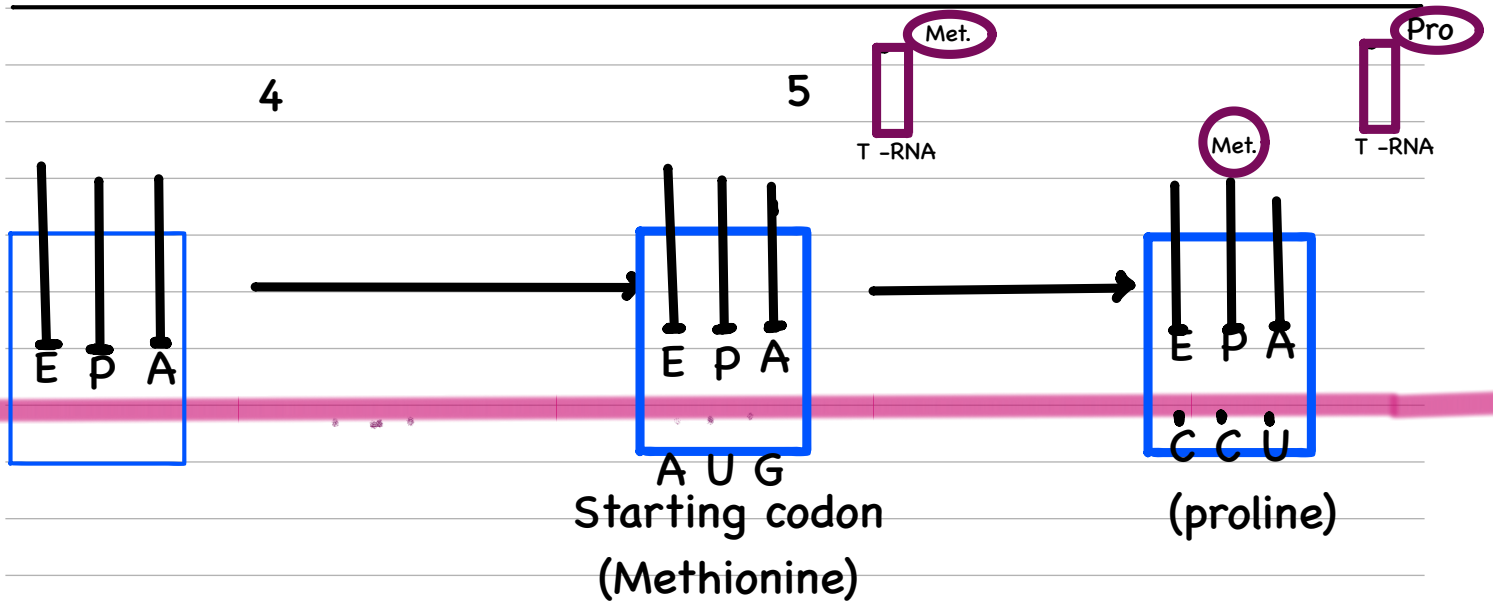


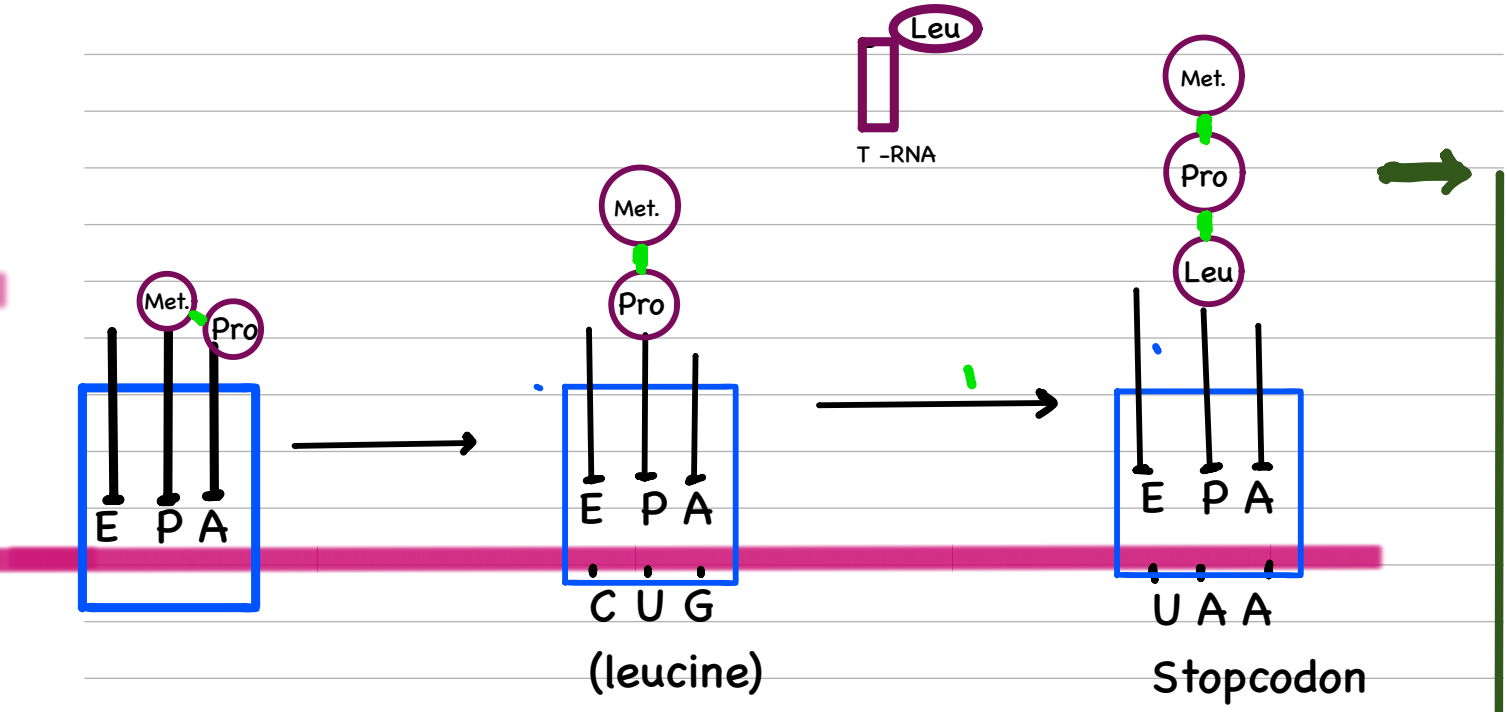
Prok.

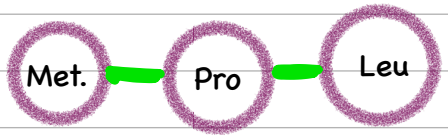
Euk .-

4

5







Trimming / glycation
Phosphorylation/
Hydroxylation / methylation

Pharma connection

- T- RNA attachment inhibitor -
- Peptidyl transferase inhibitor -
- Inhibiton of transfer of AA from A site to P site -

Extra mile

- Puromycine
- Diphtheria toxin -