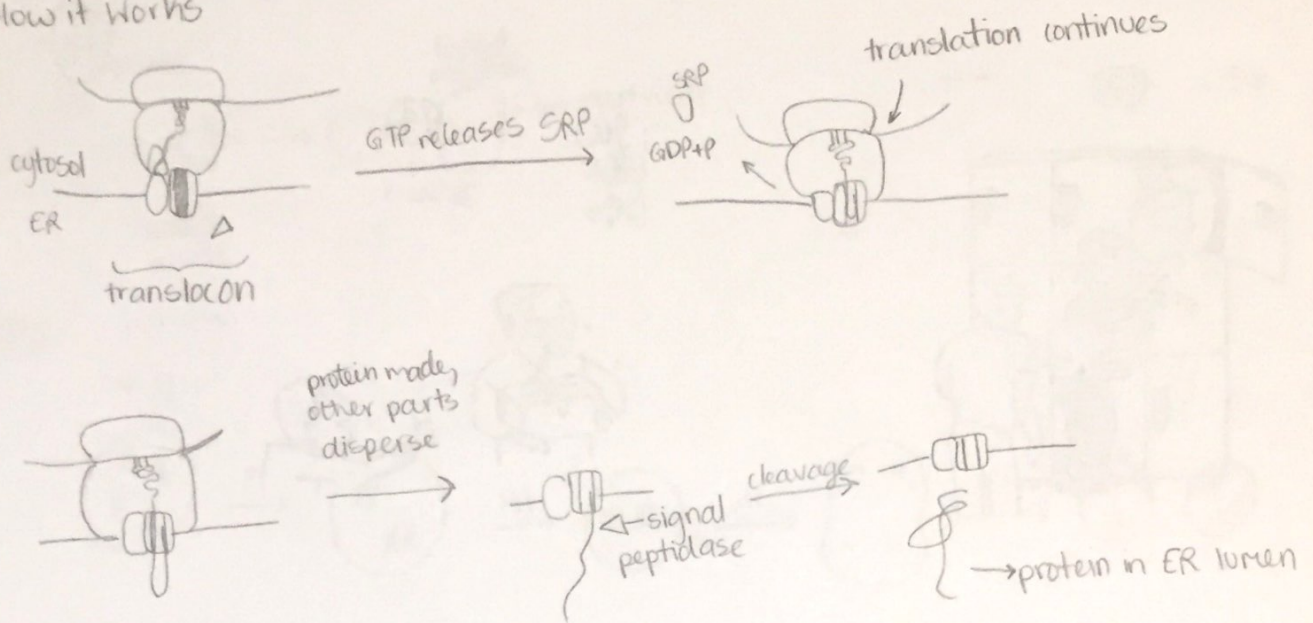
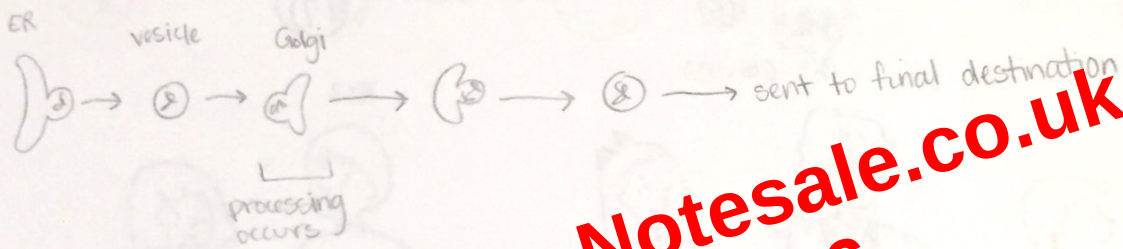


## 2. Co-translational Import

- How it Works

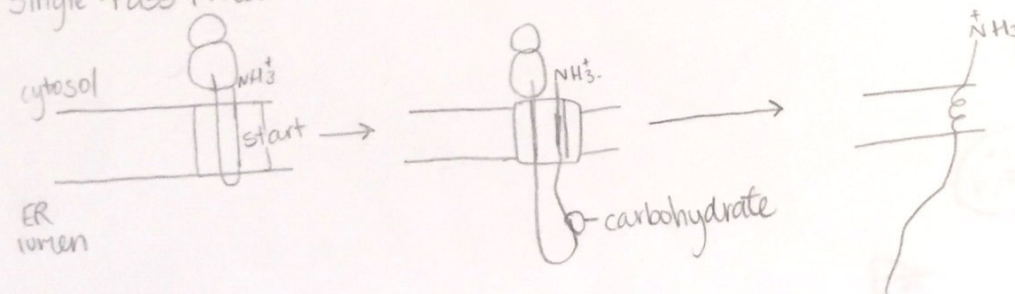


- Transported via vesicles



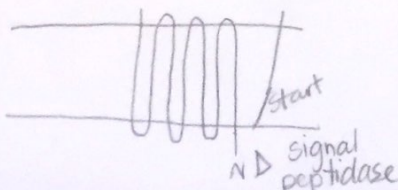
## 8. Transmembrane proteins start sequence

Single-Pass Protein

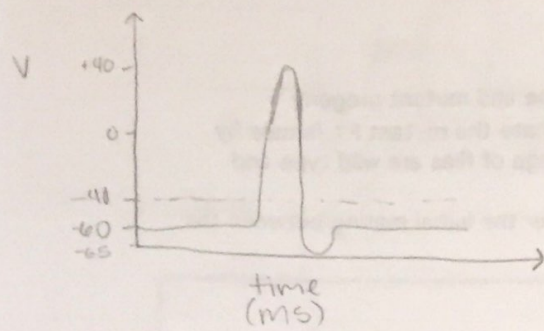


Multi-Pass Protein

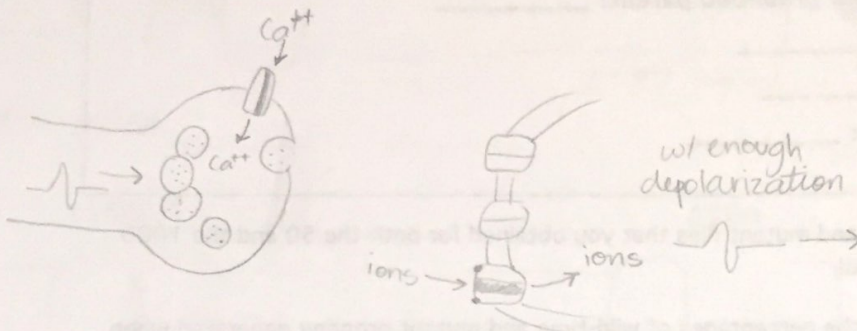
- have stop sequence(s)
- sometimes many start sequences
- 7 pass



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- 60V: resting potential
- 40V: threshold  $E$ 
  - must be reached to make action potential
- $\text{Na}^+$  channels open here
- +40V:  $\text{Na}^+$  channels close
- $\text{K}^+$  channels open; repolarization begins
- 65V: repolarization overshoot,  $\text{K}^+$  channels close
- leaking through channels re-establishes gradients



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