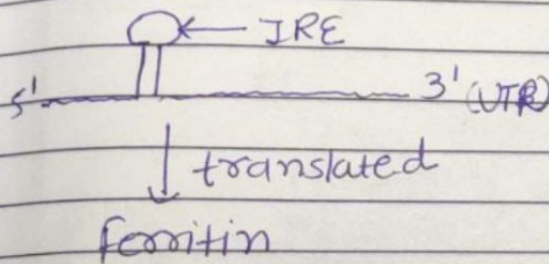


# \* Regulation of Synthesis of ferritin & transferrin receptor:

→ Reciprocally linked to intracellular iron level

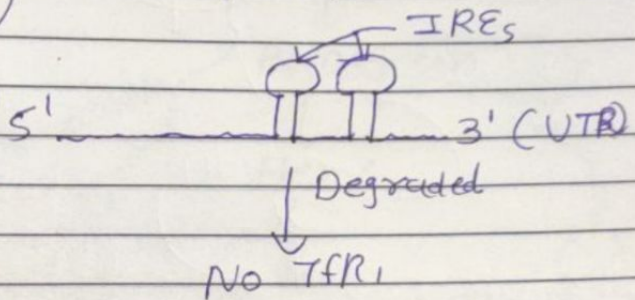
ferritin mRNA

① ↑ Fe - IRP does not bind with IRE

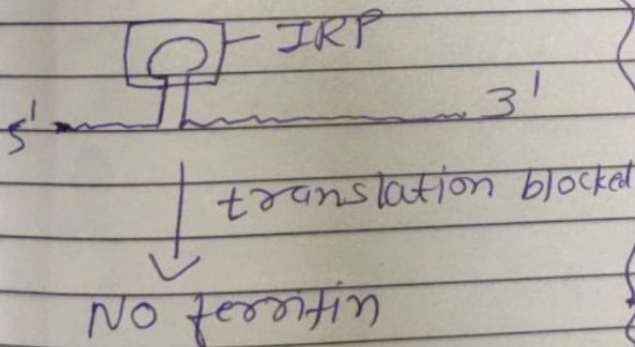


TFR<sub>1</sub> mRNA

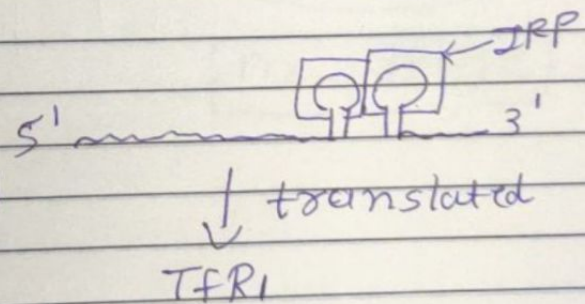
① ↑ Fe - IRP does not bind to IRE



② ↓ Fe - IRP bind to IRE



② ↓ Fe - IRP binds to IRE



- IRP - Iron responsive protein
- IRE - Iron response element
- UTR - untranslated region