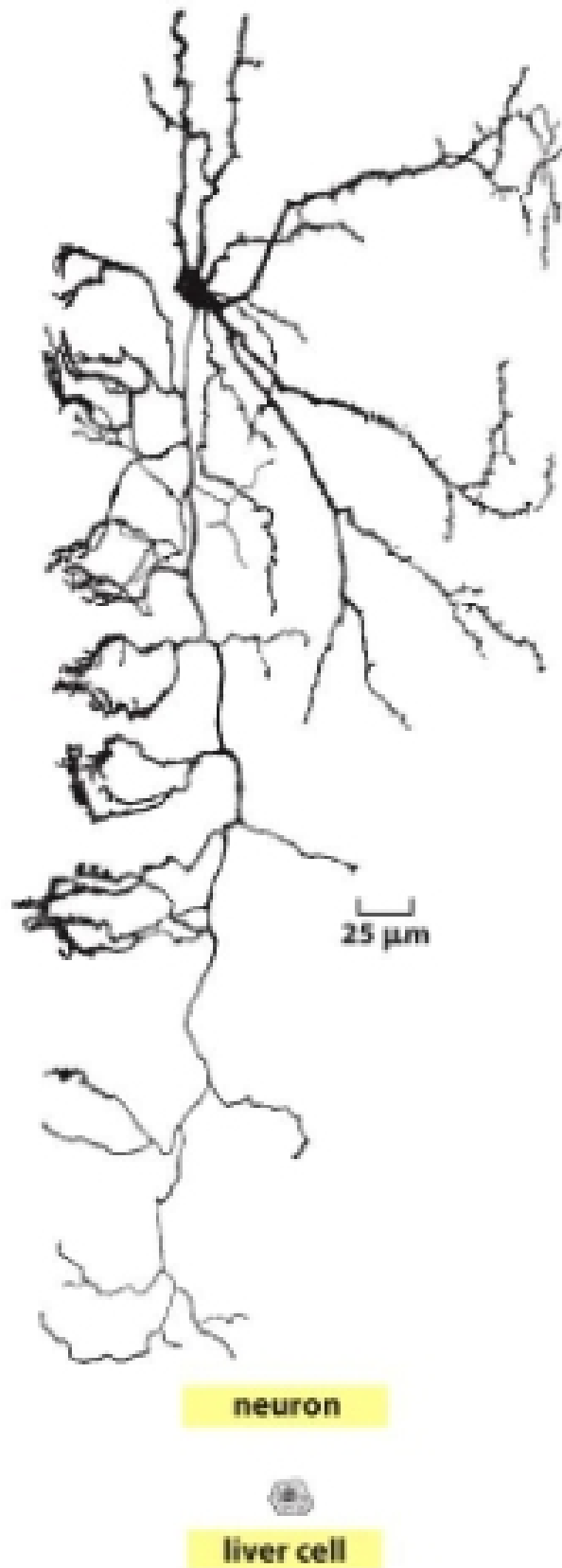


Gene Expression



- Different cell types from the same organism have the same genome.
- Different cell types produce different sets of proteins accounting for differences in cell appearance and function.
- **Gene expression:** process that results in the generation of a specific protein or RNA molecule

Gene expression can be regulated at multiple steps.

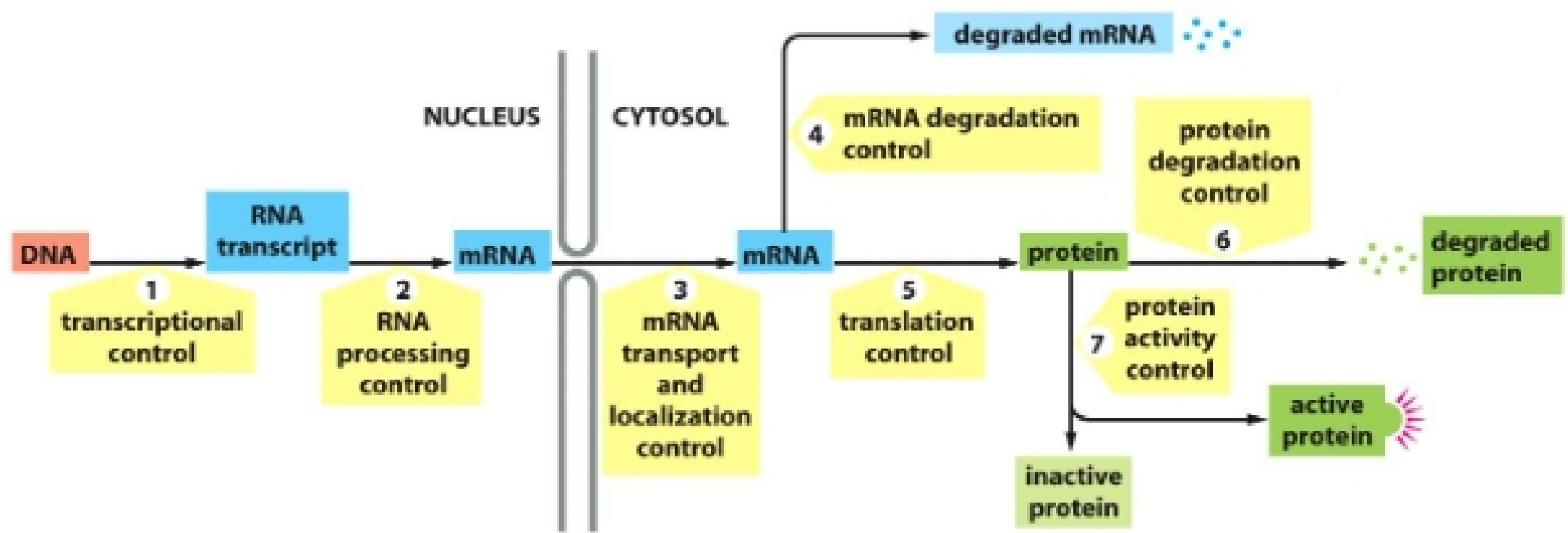


Figure 8-3 Essential Cell Biology, 4th ed. (© Garland Science 2014)