

Post-translational modification (PTM) refers to the [covalent](#) and generally enzymatic modification of proteins following [protein biosynthesis](#). Proteins are synthesized by [ribosomes](#) translating [mRNA](#) into polypeptide chains, which may then undergo PTM to form the mature protein product. PTMs are important components in [cell signaling](#), as for example when prohormones are converted to [hormones](#).

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