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Ubiquitin Protein Ligase

National Cancer Institute

Source

National Cancer Institute. *Ubiquitin Protein Ligase*. NCI Thesaurus. Code C26065.

Ubiquitin protein ligase enzymes catalyze the formation of a covalent peptide bond between the carboxy-terminal glycine of ubiquitin proteins and lysine alpha-amino group of other proteins. This typically marks proteins for either nonlysosomal proteasomal degradation or targeted transport. Ubiquitination requires sequential action of an activating enzyme, a conjugating enzyme, and a ligase.