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Cullin Family Gene

National Cancer Institute

Source

National Cancer Institute. *Cullin Family Gene*. NCI Thesaurus. Code C26074.

Cullin Family Genes encode Cullin Family Proteins, which are components of SCF ubiquitin ligase complexes or E3 ubiquitin ligase complexes with elongin BC complexes and other factors, involved in ubiquitination and proteasomal degradation of target cell cycle, signal transduction, and transcription proteins. Cullins may act in these multisubunit complexes as a scaffold for substrates and ubiquitin-conjugating enzymes and interact with RBX1, RNF7, CYCE, and/or TIP120A/CAND1. (NCI)