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PA700 Regulatory Module

National Cancer Institute

Source

National Cancer Institute. *PA700 Regulatory Module*. NCI Thesaurus. Code C13336.

Ubiquitinated proteins are degraded by a 26S ATP-dependent protease complex, composed of a 20S catalytic proteasome and two 19S PA700 regulatory modules. The multi-subunit PA700 complex binds two sites of the 20S proteasome and is composed of at least six related ATPases and approximately fifteen non-ATPase polypeptides. Each of the ATPases, PSMC1-6, contains an AAA (ATPases associated with diverse cellular activities) domain. A protein complex containing p42 and p50 enhances PA700 activation of the proteasome.