Regulation of Protein Degradation and Homeostasis by the Cytokine-Inducible Deubiquitinating Enzymes

Ubiquitin-proteasome system (UPS) is the major signaling pathway responsible for regulating protein turnover in cells. Deubiquitinating enzymes (DUBs) have an important role in this signaling pathway by eliminating ubiquitins from substrates and inhibiting proteasomal degradation to maintain cellular homeostasis.