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The role of the ubiquitin system in human cytomegalovirus-mediated degradation of MHC class I heavy chains

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Citation

Hassink, G. C. (2006, May 22). *The role of the ubiquitin system in human cytomegalovirus-mediated degradation of MHC class I heavy chains*. Retrieved from <https://hdl.handle.net/1887/4414>

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Chapters 1 & 9. See also: The role of the ubiquitination machinery in dislocation and degradation of endoplasmic reticulum proteins.
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Chapter 2. Rat cytomegalovirus induces a temporal downregulation of major histocompatibility complex class I cell surface expression.

Gerco C. Hassink, Joanne G. Duijvestijn-van Dam, Danijela Koppers-Lalic, Jacqueline van Gaans-van den Brink, Daphne van Leeuwen, Cornelis Vink, Cathrien A. Bruggeman, Dr. Emmanuel J.H.J. Wiertz

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Chapter 3. Ubiquitination is essential for human cytomegalovirus US11-mediated dislocation of MHC class I molecules from the endoplasmic reticulum to the cytosol.

Marjolein Kikkert, Gerco Hassink, Martine Barel, Christian Hirsch, Fimme Jan van der Wal* and Emmanuel Wiertz

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Chapter 4. Human HRD1 is an E3 ubiquitin ligase involved in degradation of proteins from the endoplasmic reticulum.

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Chapter 5. TEB4 is a C4HC3 RING finger-containing ubiquitin ligase of the endoplasmic reticulum.

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Chapter 7: Human cytomegalovirus-encoded US2 and US11 target unassembled MHC class I heavy chains for degradation.

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