Table 1. The protein economy: vital statistics

Participant	Copies per cell	Rate of action (min^{-1})
Protein molecules	2×10^9	
Ribosomes	10^7	3×10^6 proteins synthesized
HSC70	10^7	6×10^5 proteins folded
TRiC	2×10^6	4.5×10^5 proteins folded
Proteasomes	5×10^5	1×10^6 DRiPs degraded 6×10^5 retirees degraded
Ubiquitin	10^8	$<1.6 \times 10^6$ substrates targeted to proteasomes
Class I molecules	10^5	150 exported with high-affinity ligands
Class I ligands	10^5	1 produced for 10^4 proteins degraded