^a Cell line	^b Mean cell diameter (μm)	^c Relative mean cell volume	^d DNA index
CHO-K1	12.9 ± 0.1	1	1
5H6	12.7 ± 0.1	0.96 ± 0.02	1.03 ± 0.05
5H6-GC2	13.8 ± 0.1	1.24 ± 0.02	1.06 ± 0.05
5H6-GC7	13.9 ± 0.1	1.26 ± 0.02	1.16 ± 0.06
5H6-GE5	13.8 ± 0.1	1.23 ± 0.02	1.10 ± 0.05
5H6-GF10	14.1 ± 0.1	1.32 ± 0.02	1.15 ± 0.05
5H6-GG8	15.2 ± 0.1	1.66 ± 0.03	2.04 ± 0.17

 Table S1. Mean cell size and relative DNA content of host cells and recombinant

 clones (at steady state).

^a Untransfected host cells (CHO-K1), parental clone (5H6), and subclones on Day 57 post-subcloning, after plateau in expression (steady state). ^b Diameter determined by image analysis (Cedex HiRes). Mean from several thousand cells. Assumes circular cross-section. Estimated uncertainty, ± 0.1 μm (standard error). ^c Cell volume relative to CHO-K1, calculated from diameter measurement, assuming spherical cells. Errors propagated. ^d DNA index represents DNA content relative to CHO-K1 (see Supplementary Methods in **Supporting Information, Text S1**). Uncertainty (standard error) includes error estimate for non-linearity correction. Note: altered ploidy is not uncommon in recombinant CHO cell lines [1-3].

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