



FIGURE 5 Dependence on L of the linear elastic modulus measured at a frequency of 0.1 Hz, G_0 . (A) For filamin networks G_0 increases stronger than linearly with L . $R_F = 0.001$ (open), 0.002 (light shaded), 0.005 (medium shaded), and 0.01 (solid). (B) Rigidly cross-linked networks show qualitatively different behavior. $R_B = 0.01$. (C) G_0 for networks cross-linked with filamin at different R_F collapse onto a single curve when plotted versus $R_F L^2$ with nearly linear scaling above $R_F L^2 = 0.1$. Shaded bar represents the range of moduli measured for F-actin solutions with $2 < L < 7 \mu\text{m}$.