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Ever-fluctuating single enzyme molecules

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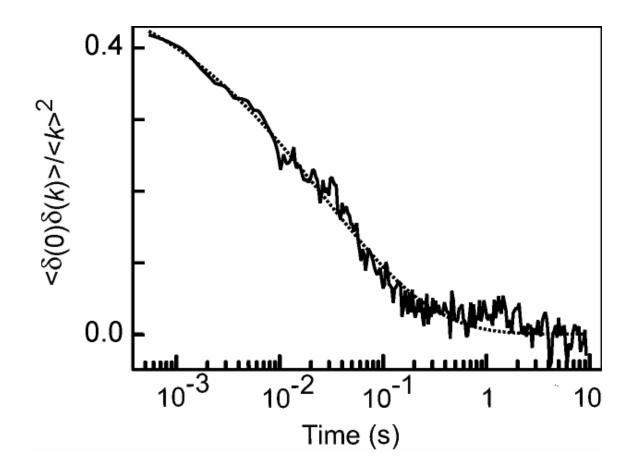
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Supplementary Figure 7 Autocorrelation of k(t).

k(t), $\langle \partial k(0) \partial k(t) \rangle / \langle k \rangle^2$, obtained from a single enzyme molecule at 100 μ M RGP concentration. The dotted curve depicts the best to a stretched exponential decay, $k(t) = k(0) \exp[-(t/t_o)^{\beta}]$, with $\beta = 0.43$ and $t_0 \sim 20$ ms. The broad range of time scales of k fluctuation is evident.