Table 1. Kinetic parameters of ParM and actin. All values are for the Mg^{2+}-bound form unless otherwise indicated. K_d, dissociation constant.

Parameter	Actin	ParM	Method
Steady-state ATP critical concentration (Mg^{2+})	100 nM	2.3 μM	Pelleting, FRET assay, microscopy
Steady-state ATP critical concentration (Ca^{2+})	440 nM (in 100 mM KCl)	6.8 μM	Pelleting
ATP critical concentration	Barbed end: 100 nM Pointed end: 600 nM	550 to 680 nM	FRET assay (BeF-ATP-ParM and ATP-E148A)
ADP critical concentration	1 μM	~100 μM	Pelleting
ATP-monomer on-rate	Barbed end: 10 $\mu M^{-1}\ s^{-1}$ Pointed end: 1 $\mu M^{-1}\ s^{-1}$	4 to 5.3 $\mu M^{-1}\ s^{-1}$	Microscopy (wild-type and E148A)
ADP-monomer off-rate	Barbed end: 7.2 s^{-1} Pointed end: 0.2 s^{-1}	64 s^{-1}	Microscopy (catastrophe rate of ATP-ParM)
ATP K_d	1.2 nM	42 nM k_-: 0.008 s^{-1} k_+: 2.32 × 10^5 $M^{-1}\ s^{-1}$	ε-ATP fluorimetry
ADP K_d	0.3 nM	2.4 μM k_-: 0.56 s^{-1} k_+: 1.85 × 10^5 $M^{-1}\ s^{-1}$	ε-ADP fluorimetry
Hydrolysis rate (estimated)	0.3 s^{-1}	0.1 to 0.2 s^{-1}	Modeling
Nucleation rate	1×	300×	Concentration dependence of maximal velocity