

Molecular mechanisms of inorganic-phosphate release from the core and barbed end of actin filaments

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Supplementary Table 1. Used constructs and primers in this study.

Construct name	Template Vector	Used Primers* (cloning strategy)
2920 pFL_ACTB(beta actin cytosolic)_linker_T4b_10His C272A R183W	2336 pFL_ACTB(beta actin cytosolic)_linker_T4b_10His C272A (ref. ⁵⁸)	CCTGGCTGGCTGGGACCTGACTG (FW), TCCAGACGCAGGATGGCATGG (RV) (QuikChange PCR)
2921 pFL_ACTB(beta actin cytosolic)_linker_T4b_10His C272A R183G	2336 pFL_ACTB(beta actin cytosolic)_linker_T4b_10His C272A (ref. ⁵⁸)	CCTGGCTGGCGGGGACCTGACTG (FW), TCCAGACGCAGGATGGCATG (RV) (QuikChange PCR)
2925 pFL_ACTB(beta actin cytosolic)_linker_T4b_10His C272A N111S	2336 pFL_ACTB(beta actin cytosolic)_linker_T4b_10His C272A (ref. ⁵⁸)	GGCCCCCTGTCCCCCAAGGCCAAC (FW), TCGGTCAGCAGCACGGGG (RV) (QuikChange PCR)
pB969 pRS313 Actin N111S (<i>S. cerevisiae</i>)	p1387 pRS313 Actin (ref. ⁶¹)	AAGCTCCAATGAGCCCTAAATCAAA (FW), CAGGAAACAGCTATGACC (RV), TTCGTGATAAGTGATAGTG (FW) TTTGATTTAGGGCTCATTGGAGCTT (RV) (Two-step overlap PCR)
825 PETMSumoH10_mDia1(FH2)	pDCMV-mNeongreen-mDia1FH1-2 (ref. ²⁶)	GACGTGTTCCAGCAACAGACCGGTGGATT AACCCCCAAAAAGTTTATAAGC (FW) ctcagtgggtgggtgggtgGTGCTCGAGTTATTACTG CTTCTCCAGTCGCTCTTTTTC (RV) (Gibson Assembly)

*FW and RV stand for forward and reverse, respectively.