

Supporting Information

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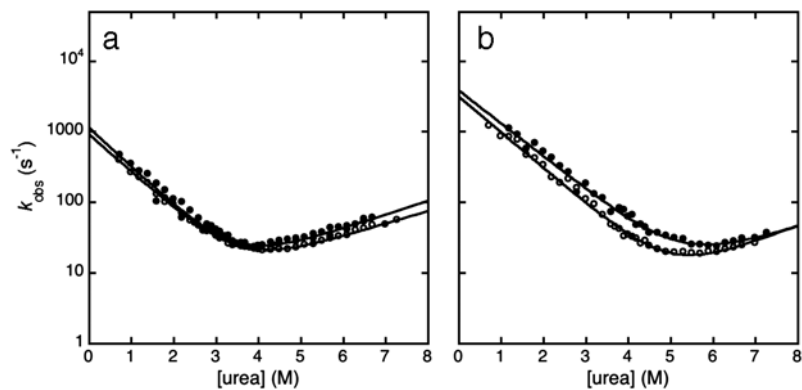


Fig. S1. Chevron plot of Cter-NPM1 with (Closed Circles) and without (Open Circles) the His6-tag. Kinetics measured in the absence (A) and in the presence (B) of 0.5 M NaCl. Calculated folding parameters revealed that folding was essentially unaffected by the presence of the tag.

Table S2. Folding parameters of Cter-NPM1 and site directed mutants, measured at pH 7.0 and 283 K.

	k_F (s^{-1})	m_F (kcal mol $^{-1}$ M $^{-1}$)	k_U (s^{-1})	m_U (kcal mol $^{-1}$ M $^{-1}$)	T_m (K)
Wild-type	1100 ± 100	0.75 ± 0.03	2.9 ± 0.6	0.27 ± 0.02	336.5 ± 0.2
V244A	900 ± 100	0.74 ± 0.05	13 ± 2.0	0.29 ± 0.02	330.4 ± 0.2
E245A	1000 ± 90	0.66 ± 0.03	2.7 ± 0.6	0.25 ± 0.02	338.5 ± 0.1
A245G	750 ± 100	0.66 ± 0.04	5.4 ± 1.1	0.26 ± 0.02	333.7 ± 0.2
D246A	950 ± 90	0.68 ± 0.03	3.4 ± 0.7	0.26 ± 0.02	339.0 ± 0.2
A246G	700 ± 70	0.67 ± 0.03	4.5 ± 0.7	0.30 ± 0.02	324.1 ± 0.2
I247V	1000 ± 60	0.75 ± 0.03	6.3 ± 0.8	0.25 ± 0.02	327.4 ± 0.2
K248A *	-	-	-	-	-
A248G *	-	-	-	-	-
A249G	550 ± 80	0.69 ± 0.06	18 ± 2	0.19 ± 0.01	322.5 ± 0.2
K250A	1700 ± 150	0.64 ± 0.02	1.5 ± 0.6	0.21 ± 0.04	341.1 ± 0.2
A250G	700 ± 60	0.36 ± 0.02	4.4 ± 0.1	0.22 ± 0.08	329.9 ± 0.1
M251A *	-	-	-	-	-
A253G	600 ± 90	0.74 ± 0.07	16 ± 2	0.25 ± 0.01	321.0 ± 0.2
I255V	700 ± 70	0.61 ± 0.04	6.8 ± 1.6	0.20 ± 0.02	326.1 ± 0.2
L261A	1300 ± 300	0.69 ± 0.2	110 ± 50	0.26 ± 0.08	318.3 ± 0.4
A266G	700 ± 100	0.77 ± 0.05	4.2 ± 0.6	0.24 ± 0.01	333.0 ± 0.1
F268A *	-	-	-	-	-
I269V	700 ± 60	0.74 ± 0.03	2.8 ± 0.5	0.26 ± 0.02	335.4 ± 0.1
N270A	1800 ± 150	0.62 ± 0.02	2.2 ± 0.8	0.22 ± 0.03	342.9 ± 0.2
A270G	400 ± 40	0.70 ± 0.04	2.9 ± 0.5	0.23 ± 0.02	328.8 ± 0.1
V272A	500 ± 70	0.93 ± 0.08	11 ± 1	0.29 ± 0.01	324.6 ± 0.2
K273A	800 ± 80	0.73 ± 0.04	7.9 ± 1.3	0.19 ± 0.02	332.9 ± 0.1
A273G	200 ± 30	0.75 ± 0.07	8.8 ± 1.1	0.19 ± 0.01	324.2 ± 0.2
F276A *	-	-	-	-	-
A283G	500 ± 50	0.68 ± 0.04	5.7 ± 1.1	0.20 ± 0.02	326.7 ± 0.2
I284V	900 ± 130	0.94 ± 0.06	13.3 ± 1.4	0.18 ± 0.01	322.8 ± 0.1
L287A	900 ± 180	1.25 ± 0.5	140 ± 20	0.33 ± 0.15	318.0 ± 0.1
W288F	600 ± 240	1.0 ± 0.3	80 ± 9	0.14 ± 0.01	310.5 ± 0.2
W290F	360 ± 40	0.75 ± 0.1	50 ± 4	0.16 ± 0.01	321.6 ± 0.2
K292A	1200 ± 100	0.71 ± 0.04	10 ± 1.6	0.23 ± 0.01	321.9 ± 0.8
A292G	650 ± 100	0.76 ± 0.09	32 ± 5	0.18 ± 0.02	312.4 ± 0.8
L294A	400 ± 80	0.50 ± 0.13	50 ± 14	0.17 ± 0.03	317.1 ± 0.8

*These mutants expressed poorly and could not be characterized