Endonuclease-like activity of N-terminal domain of *Euplotes octocarinatus* centrin

Wenlong Zhang a · Enxian Shi a,b · Yanan Feng a · Yaqin Zhao a and Binsheng Yang *a

Fig. S1

Steady-state fluorescence spectra of TNS bound to apoN-EoCen (a, 10 µM) or holoN-EoCen (b, 10 µM, [Ca²⁺] = 2 mM) in the presence or absence of CT-DNA ([bp] = 0.35 mM) in 10 mM Hepes buffer (pH 7.4) at room temperature, the spectra of TNS and TNS-CT-DNA in buffer were shown in S1a, the concentration of TNS was 10 µM. The protein and CT-DNA mixed solution was equilibrated for 10 min before the addition of TNS...
Fig. S2

Fluorescence spectra of apoN-EoCen (a) or holoN-EoCen (b) titrated with increasing concentration of CT-DNA from 0 to 0.45 mM in 10 mM Hepes buffer (pH 7.4) at room temperature. Inset, the plot of fluorescence intensities at 306 nm as a function of [bp]/[N-EoCen] ratio
Fig. S3 UV–vis spectra of apoN-EoCen (1 µM) catalyzed hydrolysis of 4NPA (0.5 mM) in 10 mM Tris–HCl, pH 7.0, 25 °C. The loss of 4NPA and formation of 4-nitrophenoxide are observed at 270 and 400 nm, respectively, and an isobestic point is observable at 303 nm.