

Figure S1 qRT-PCR detection of *CENPK* and *KLK3* in LNCaP cells treated with DHT for 0, 12 and 24 h. *, P<0.05; ****, P<0.0001. CENPK, centromere protein K; DHT, dihydrotestosterone; qRT-PCR, real-time quantitative reverse transcription PCR.

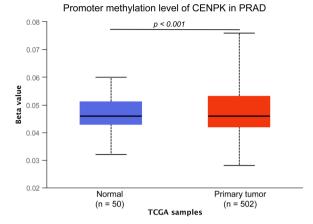


Figure S2 Promoter methylation level of *CENPK* in the PRAD database. The beta value indicates level of DNA methylation ranging from 0 (unmethylated) to 1 (fully methylated). CENPK, centromere protein K; TCGA, The Cancer Genome Atlas; PRAD, prostate adenocarcinoma.

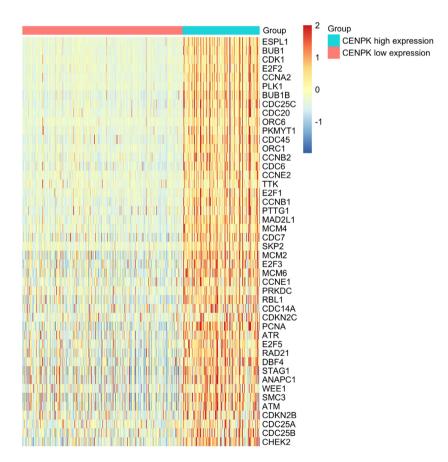


Figure S3 Heatmap of key cell cycle-related genes correlated with the CENPK expression. CENPK, centromere protein K.

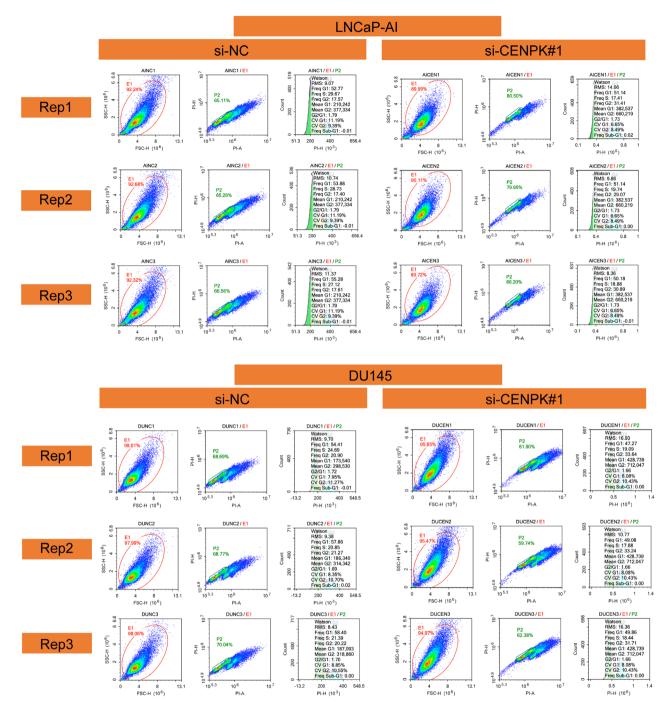


Figure S4 Flow cytometry assays of cell cycles in LNCaP-AI and DU145 cells transfected with siRNA. CV, coefficient of variation; FSC-A, forward scatter area; Freq Sub, frequency of subpopulations; FSC-H, forward scatter height; NC, negative control; PI-A, propidium iodide area; PI-H, propidium iodide height; RMS, root mean square; SSC-A, side scatter area; SSC-H, side scatter height.