Supplementary Figures

**Figure S1.** (A) A549 and H1299 cells were transfected with either scrambled or DUB3 siRNAs for 48 h. The resulting cell extracts were analyzed by Western blotting with anti-DUB3, anti-cyclin A, or anti-GAPDH antibody. (B) A549 and H1299 cells were transfected with either scrambled or DUB3 siRNAs for 48 h, and then total RNA was isolated and subjected to qRT-PCR. The error bars represent the SD of triplicate measurements.

**Figure S2** A549 and H1299 cells transfected with either scrambled or DUB3 siRNAs were treated with DMSO or MG132 (20μM) for 6 h, and the indicated proteins were analyzed by Western blotting.
Figure S3 (A) A549 cells transfected with either scrambled or DUB3 siRNAs were treated with 50 μg·mL⁻¹ CHX and then collected at the indicated time points for Western blot analysis. Quantification of the cyclin A levels relative to GAPDH expression is shown. Data represent the mean (± S.D.) of three independent experiments (***, p < 0.001). (B) A549 cells transfected with either scrambled or DUB3 siRNAs were treated with MG132 (20 μM) for 6 h before harvest. cyclin A was immunoprecipitated with an anti-cyclin A antibody, and the immunoprecipitates were probed with anti-Ub or anti-cyclin A antibody.
Figure S4. A549 cells transfected with either scrambled or DUB3 siRNAs were stained with propidium iodide and analyzed using flow cytometry. Data represent the mean (± S.D.) of three independent experiments (* p < 0.05 and *** p < 0.001).
Figure S5. A549 cells were transfected with either scrambled or DUB3 siRNAs and then transfected with the indicated constructs. Cell proliferation was monitored using CCK-8 assays at the indicated time points. Statistical significance was determined by a two-tailed, unpaired Student’s t test.