SUPPLEMENTARY INFORMATION

Supplementary Figure S1. Purified MCM7 subunit does not have enzymatic activity.

(A) FLAG-purified MCM7 was applied onto a 15-35% glycerol gradient. Fractions collected after centrifugation were subjected to 10% SDS-PAGE and Coomassie stained. High molecular weight standards were simultaneously analyzed and indicated. (B) Indicated amounts of purified MCM7 (lanes 3-6) was monitored for ATPase activity. Controls: 100 ng of purified MCM4,6,7 (lane 2) and no protein (lane 1) added in ATPase reaction. (C) Indicated amounts of purified MCM7 (lane 3-5) was monitored for DNA helicase activity using 5 fmol of template. Lane 1 contained 5 fmol of template heated at 100 °C for 2 minutes. Lane 2 contained 5 fmol of template with no added protein, incubated at 23 °C for 1 hour.