Supporting Information for:

Engineering a lipase B from *Candida antactica* with efficient perhydrolysis performance by eliminating its hydrolase activity

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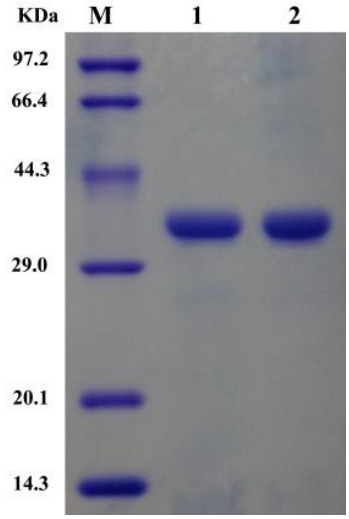

Figure S1. **SDS/PAGE of purified wt-CalB and Ser105Ala mutant.** Lane 1, wt-CalB; Lane 2, Ser105Ala mutant.

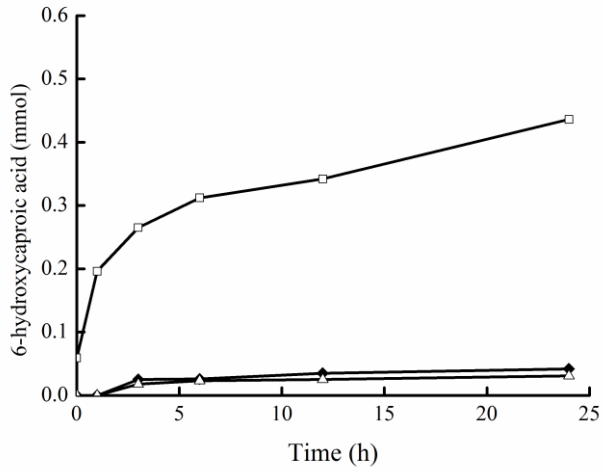

Figure S2. **Hydrolysis of ε-caprolactone in reaction medium.** (□) wt-CalB, (◆) Ser105Ala mutant, (△) Thermally inactivated CalB. General conditions: ε-caprolactone (1 mmol), 30% aq. H_2O_2 (2 mmol), octanoic acid (1 mmol), 5 mg CalB (wild-type or S105A), H_2O (1 mL), *n*-hexane (2 mL). T = 40 ℃.