

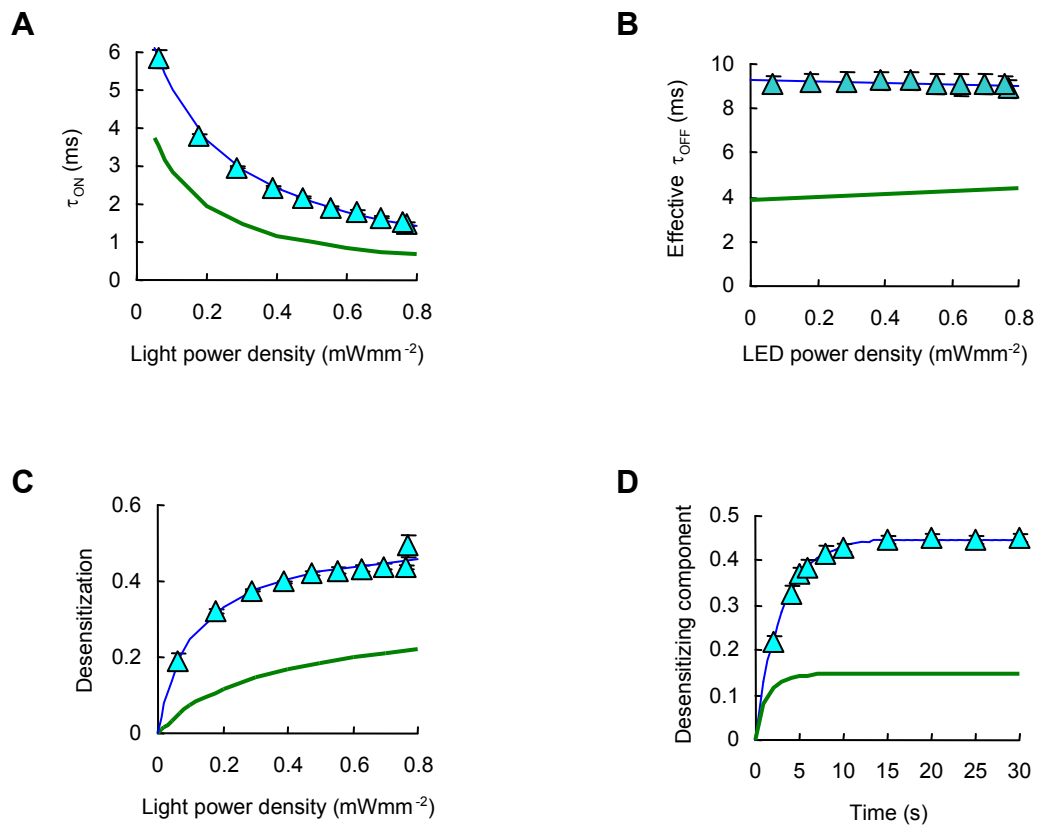
Figure S6

Figure S6. Photocurrent kinetics of ChR2-H134R. **A-C.** ChR2-H134R was expressed in a HEK cell and its photocurrent was evoked by 1s pulse of green LED of various strength (light blue triangle, mean and SEM). (A) The apparent ON time constant (τ_{ON})-light power density relationships. (B) The effective OFF time constant (τ_{OFF})-light power density relationships. (C) The desensitization-light power density relationships. **D.** The recovery time course of the desensitizing component. The process was fitted to a single exponential relationship (time constant, 3 s). Each green line is the relationship obtained from ChRGR that is copied from text-Figure 2D-F or 2J.