

## CST-K5

### Human KCNQ1 + KCNE1 channel stable cell line

Gene name: KCNQ1 + KCNE1

Host cell: HEK293

Quantity: 2 x 1 ml

Storage: Frozen under liquid N<sub>2</sub>

Growth media: DMEM, 10% FBS

Platform: Manual patch clamp, Automated patch clamp

Note: The slow activation kinetics of the KCNQ1/KCNE1 channel critically contributes to its physiological function in the heart by delaying its repolarizing current and thus the termination of the action potential.<sup>1</sup>

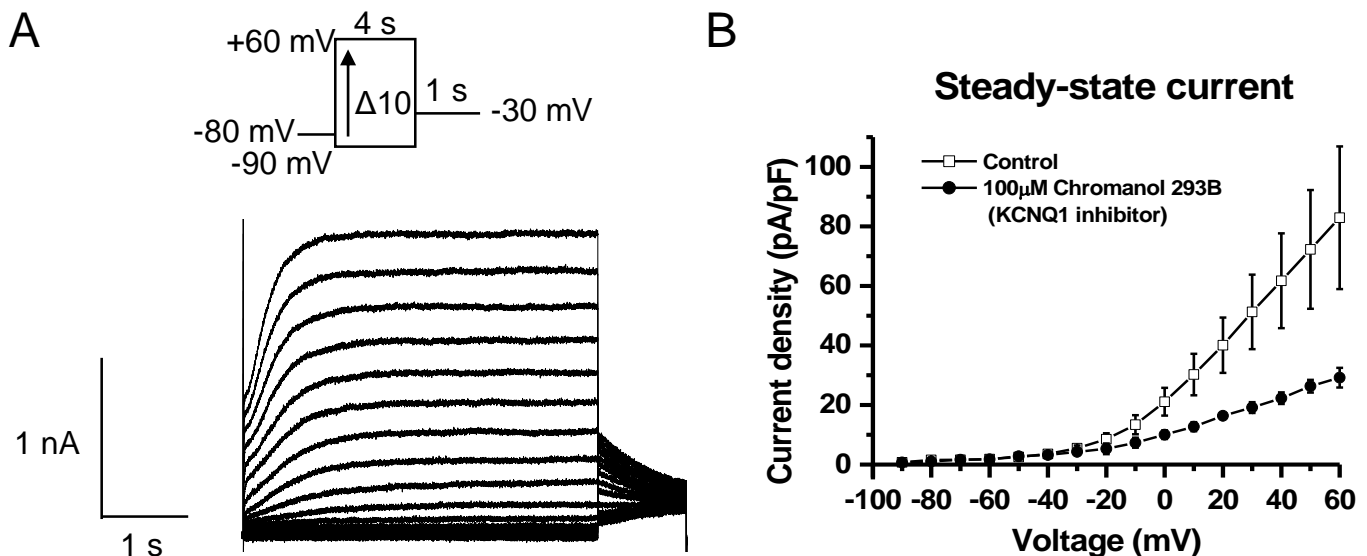


Figure: All data were obtained from manual whole-cell patch-clamp recordings. A) Recording of KCNQ1+KCNE1 currents. B) Current density of KCNQ1+KCNE1 channel stable cells.

1. Rene Barro-Soria et al., KCNE1 divides the voltage sensor movement in KCNQ1/KCNE1 channels into two steps., Nature Communication, (2014)