

## CST-K3

### Human Kv4.2 channel stable cell line

Gene name: KCND2  
 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: Kv4.2 channels are responsible for compartmentalization of plateau potentials in hippocampal pyramidal cells.<sup>1</sup>

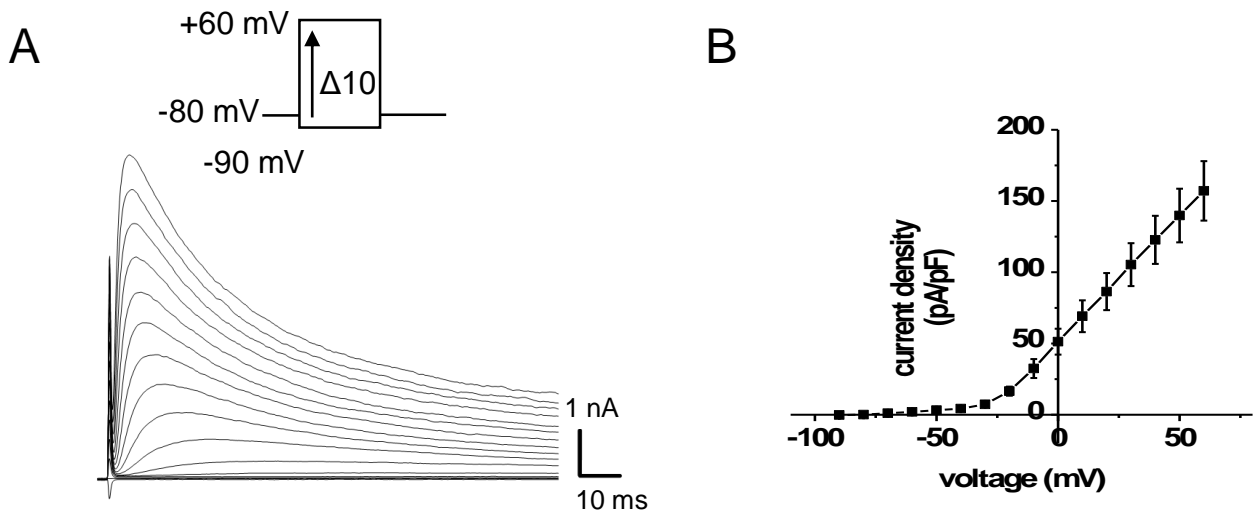


Figure: All data were obtained from manual whole-cell patch-clamp recordings.  
 A) Recording of hKv4.2 currents. B) Current density of hKv4.2 channel stable cells.

1. Xiang Cai et al., Unique Roles of SK and Kv4.2 Potassium Channels in Dendritic Integration. *Neuron* (2004)