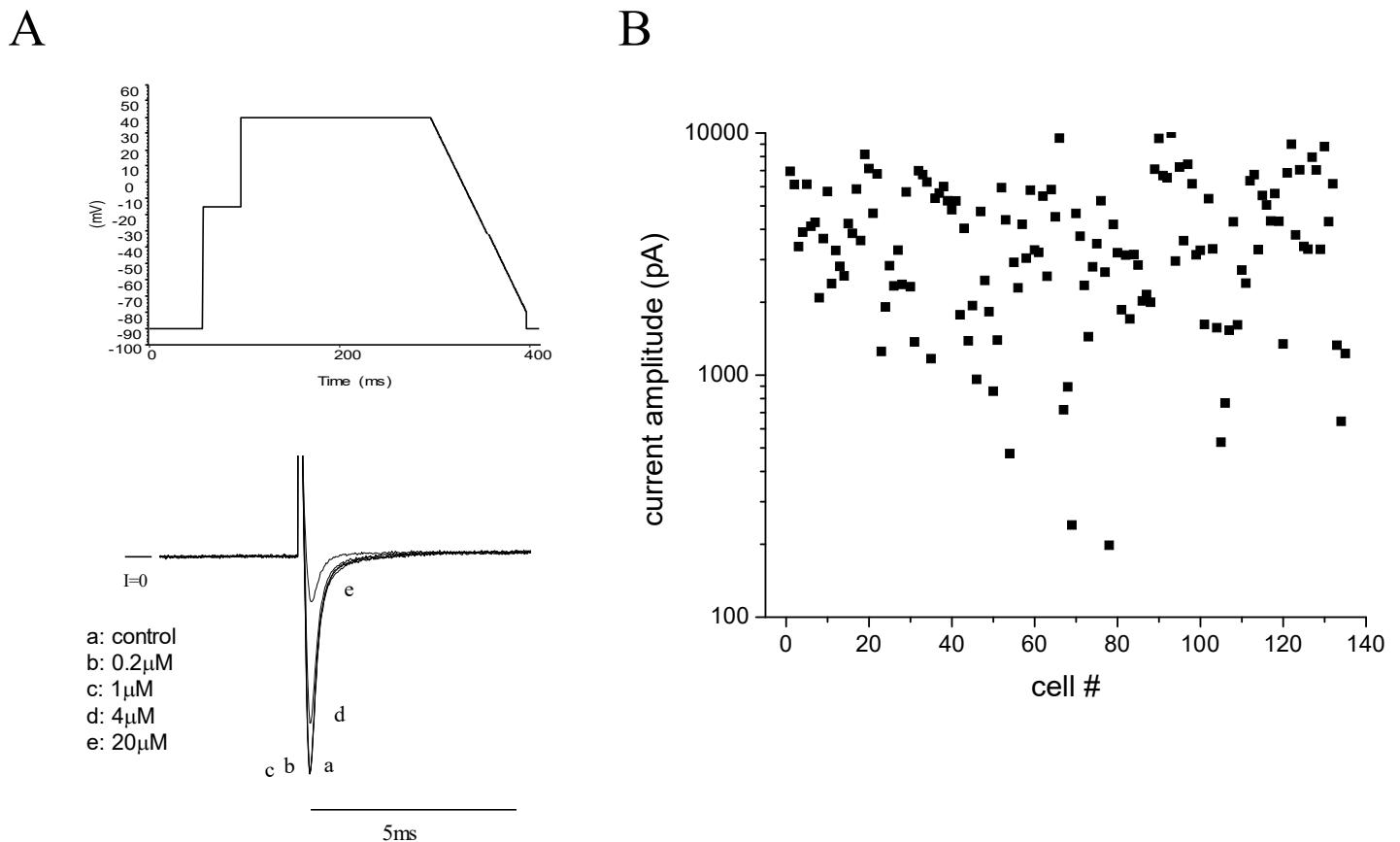


## Human Nav1.5 Channel Stable Cell Line

<b>Host cell:</b>	Human embryonic kidney (HEK)
<b>Gene name:</b>	SCN5A
<b>Growth media:</b>	DMEM, 10% FBS
<b>Storage:</b>	Frozen under liquid nitrogen
<b>Functional characteristics:</b>	Mean current amplitude $\pm$ SE = $3.9 \pm 0.2$ nA (n=135)
<b>Assay Platform:</b>	Manual or automated patch clamp
<b>Note:</b>	Nav1.5 is the protein mediating the cardiac sodium current ( $I_{Na}$ ).
<b>Data:</b>	



**Figure:** A. Recording of Nav1.5 current in the absence and presence of flecainide. B. Current amplitude plot taken from 135 cells. All recordings were performed at 37°C using manual patch clamp.

See: Crumb WJ Jr, Vicente J, Johannesen L, Strauss DG. An evaluation of 30 clinical drugs against the comprehensive in vitro proarrhythmia assay (CiPA) proposed ion channel panel. *J Pharmacol Toxicol Methods*. 2016 Apr 6. pii: S1056-8719(16)30017.