

## Nav1.5 Cell Line Data Sheet

Channel	NaV1.5
Gene	SCN5A
Catalog Ref.	ICE-HEK-Nav1.5
Sources	human
Expression system	HEK293
Method	whole cell patch clamp
Standard time	2 weeks (<10cpds)
Reference inhibitor	TTX (12.1± 1.2µM)
Target	Brugada syndrome, long QT syndrome, progressive cardiac conduction disease ,dilated cardiomyopathy, sick sinus syndrome, and atrial fibrillation

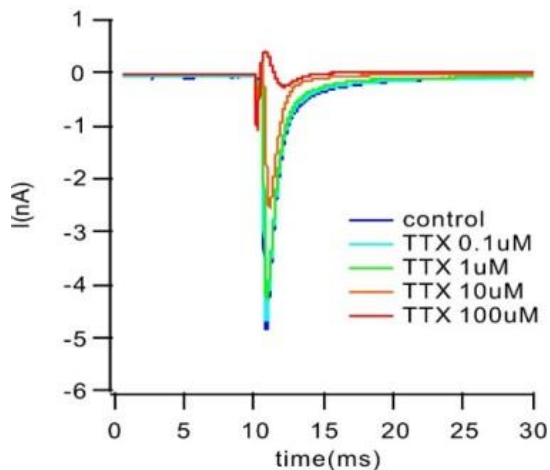


Figure 1. Current-voltage dependent curves of Nav1.5, in the absence or presence of TTX at different concentrations

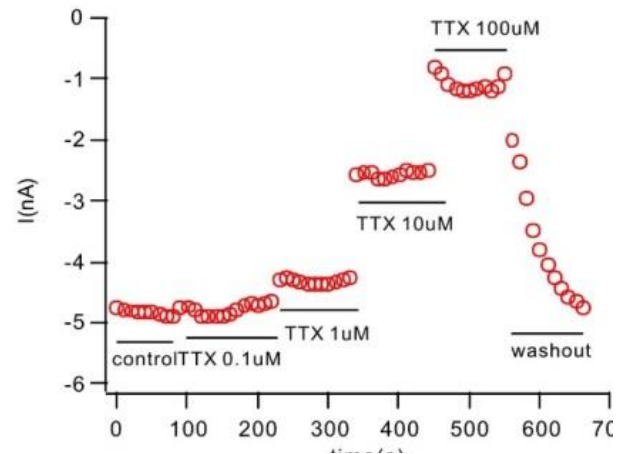


Figure 2. Time course of Nav1.5 channel inhibition achieved by TTX

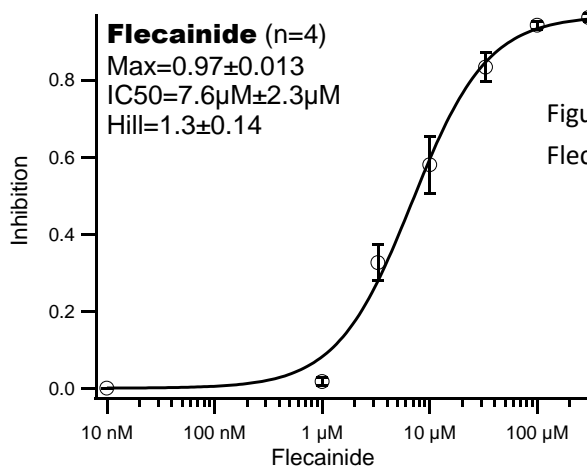


Figure 3. Concentration-dependent effects of Flecaïnide on  $I_{Nav1.5}$

Further validation data available on request.