

## Nav1.7 Cell Line Data Sheet

Channel	Nav1.7
Gene	SCN9A
Catalog Ref.	ICE-HEK-Nav1.7
Sources	human
Expression system	HEK293
Method	whole cell patch clamp
Standard time	2 weeks (<10cpds)
Reference compound	TTX (1.3±0.508nM)
Target	Pain, Anxiety, Depression Related, erythromelalgia

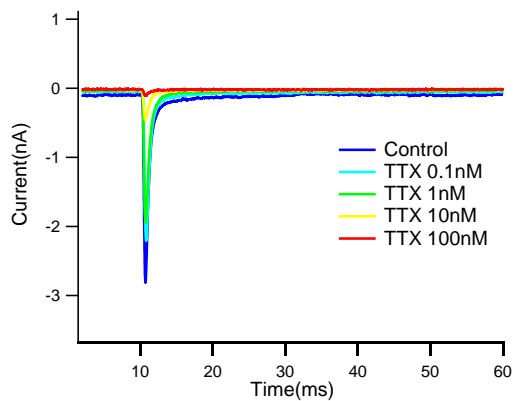


Figure 1. Representative traces of Nav1.7 currents, in the absence or presence of TTX at different concentrations

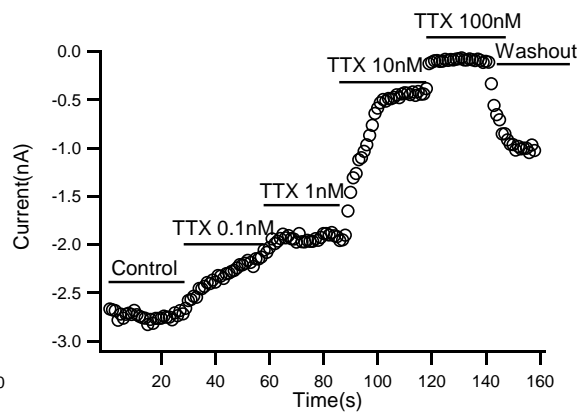


Figure 2. Time course of Nav1.7 channel inhibition achieved by TTX

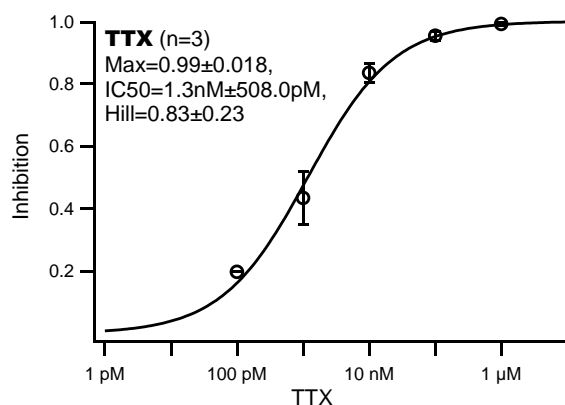


Figure 3. Concentration-dependent effects of TTX on  $I_{Nav1.7}$

Further validation data available on request.