

Nav1.6 ion channel cell line

Product Information

Catalogue ref: SB-HEK-Nav1.6 ($\alpha + \beta 1$)

Species: Human

Host cell: HEK293

Quantity: 2 x 1ml (1×10^6 cells/ml)

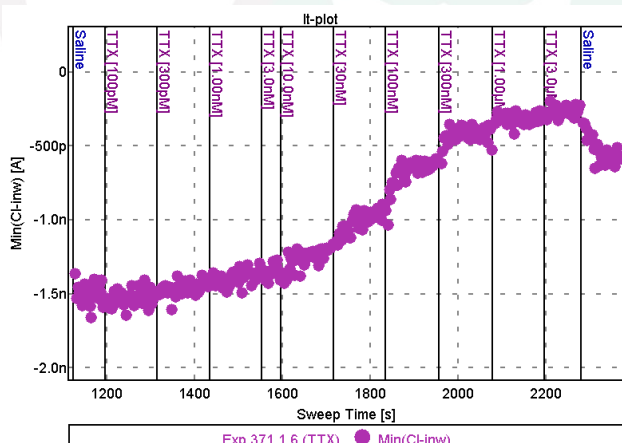


Figure 1: Representative time-course experiment recorded from a HEK-293 cell stably transfected with Na_v 1.6 channel. Plotted graph expressed as current (nA) versus time (s) showed block of current induced by increasing concentrations of TTX (100pM-3mM). Cell was stimulated with repetitive test pulses from -120mV to +0 mV steps at 1Hz (HP -120mV).

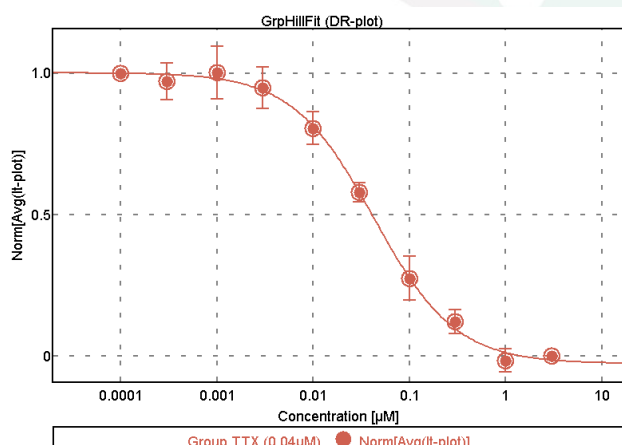


Figure 2: Concentration-dependent effects of TTX (0.0001-3mM) on I_{Na} currents (pA) obtained from HEK-293 cells stably transfected with human Na_v 1.6 channel. Calculated IC_{50} value was approximately 40 nM ($n=8$).

Further validation data available on request.

