

SCN1A FISH Probe

Catalog # FA0077 Size 200 uL

Specification

Product Description	Made to order FISH probes for identification of gene amplification using Fluorescent In Situ Hybridization Technique. (Technology).
Origin	Human
Source	Genomic DNA
Reactivity	Human
Notice	We strongly recommend the customer to use FFPE FISH PreTreatment Kit 1 (Catalog #: KA2375 or KA2691) for the pretreatment of Formalin-Fixed Paraffin-Embedded (FFPE) tissue sections.
Regulation Status	For research use only (RUO)
Supplied Product	DAPI Counterstain (1500 ng/mL) 250 uL
Storage Instruction	Store at 4°C in the dark.

Applications

- Fluorescent In Situ Hybridization (Cell)

[Protocol Download](#)

Gene Info — SCN1A

Entrez GeneID	6323
Gene Name	SCN1A
Gene Alias	FEB3, GEFSP2, HBSCI, NAC1, Nav1.1, SCN1, SMEI
Gene Description	sodium channel, voltage-gated, type I, alpha subunit

Omim ID [182389 604233 604403 607208 609634](#)

Gene Ontology [Hyperlink](#)

Gene Summary The vertebrate sodium channel is a voltage-gated ion channel essential for the generation and propagation of action potentials, mainly in nerve and muscle. Voltage-sensitive sodium channels are heteromeric complexes consisting of a large central pore-forming glycosylated alpha subunit, and two smaller auxiliary beta subunits. This gene encodes the large alpha subunit, and mutations in this gene have been associated with several epilepsy, convulsion and migraine disorders

Other Designations febrile convulsions 3|sodium channel protein, brain I alpha subunit|sodium channel, voltage-gated, type I, alpha|sodium channel, voltage-gated, type I, alpha polypeptide

Disease

- [Epilepsies](#)
- [Epilepsy](#)
- [Fever](#)
- [Genetic Predisposition to Disease](#)
- [Mental Retardation](#)
- [Myoclonic Epilepsy](#)
- [Neurodegenerative Diseases](#)
- [Seizures](#)
- [Syndrome](#)
- [Wechsler Scales](#)