

CHRNA4(Texas Red)/CEN20p(FITC) FISH Probe

Catalog # FA0613

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 — CHRNA4

Entrez GeneID	1137
Gene Name	CHRNA4
Gene Alias	BFNC, EBN, EBN1, FLJ95812, NACHR, NACHRA4, NACRA4
Gene Description	cholinergic receptor, nicotinic, alpha 4

Omim ID [118504 188890 600513](#)

Gene Ontology [Hyperlink](#)

Gene Summary

This gene encodes a nicotinic acetylcholine receptor, which belongs to a superfamily of ligand-gated ion channels that play a role in fast signal transmission at synapses. These pentameric receptors can bind acetylcholine, which causes an extensive change in conformation that leads to the opening of an ion-conducting channel across the plasma membrane. This protein is an integral membrane receptor subunit that can interact with either nAChR beta-2 or nAChR beta-4 to form a functional receptor. Mutations in this gene cause nocturnal frontal lobe epilepsy type 1. Polymorphisms in this gene that provide protection against nicotine addiction have been described. [provided by RefSeq]

Other Designations

cholinergic receptor, nicotinic, alpha 4 subunit|cholinergic receptor, nicotinic, alpha polypeptide 4|neuronal nicotinic acetylcholine receptor alpha-4 subunit

Disease

- [Alcoholism](#)
- [Alcohol-Related Disorders](#)
- [Alzheimer disease](#)
- [Amphetamine-Related Disorders](#)
- [Amyotrophic lateral sclerosis](#)
- [Attention](#)
- [Attention Deficit Disorder with Hyperactivity](#)
- [Autistic Disorder](#)
- [Bipolar Disorder](#)
- [Cleft Lip](#)
- [Cleft Palate](#)
- [Cognition](#)
- [Cognition Disorders](#)
- [Cues](#)
- [Discrimination \(Psychology\)](#)
- [Disease Models](#)

- [DNA Damage](#)
- [Ductus Arteriosus](#)
- [Epilepsy](#)
- [Exfoliation Syndrome](#)
- [Genetic Predisposition to Disease](#)
- [Infant](#)
- [Memory](#)
- [Motor Neuron Disease](#)
- [NARP](#)
- [Neuropsychological Tests](#)
- [Obesity](#)
- [Ovarian Failure](#)
- [Parkinson disease](#)
- [Pattern Recognition](#)
- [Personality Assessment](#)
- [Polycystic Ovary Syndrome](#)
- [Prenatal Exposure Delayed Effects](#)
- [Psychological Tests](#)
- [Psychomotor Performance](#)
- [Psychoses](#)
- [Puberty](#)
- [Reaction Time](#)
- [Recognition \(Psychology\)](#)
- [Schizophrenia](#)
- [Schizophrenic Psychology](#)

- [Seizures](#)
- [Space Perception](#)
- [Thrombophilia](#)
- [Tobacco Use Disorder](#)
- [Verbal Learning](#)
- [Weight Gain](#)