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Produktinformation



Forschungsprodukte & Biochemikalien



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Diagnostik & molekulare Diagnostik



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See the following pages for more information!



Lieferung & Zahlungsart

siehe unsere [Liefer- und Versandbedingungen](#)

Zuschläge

- Mindermengenzuschlag
- Trockeneiszuschlag
- Gefahrgutzuschlag
- Expressversand

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CPT1A FISH Probe

Catalog # : FA0286

規格 : [200 uL]

List All

Specification

Product Description:	Made to order FISH probes for identification of gene amplification using Fluorescent In Situ Hybridization Technique. (Technology)
Supplied Product:	DAPI Counterstain (1500 ng/mL) 250 uL
Storage Instruction:	Store at 4°C in the dark.
Origin:	Human
Source:	Genomic DNA
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)

Application Image

Fluorescent In Situ Hybridization (Cell)

Applications

Fluorescent In Situ Hybridization (Cell)

 [Protocol Download](#)

Gene Information

Entrez GeneID: [1374](#)

Gene Name: CPT1A

Gene Alias: CPT1,CPT1-L,L-CPT1

Gene Description: carnitine palmitoyltransferase 1A (liver)

Omim ID: [255120](#), [600528](#)

Gene Ontology: [Hyperlink](#)

Gene Summary: The mitochondrial oxidation of long-chain fatty acids is initiated by the sequential action of carnitine palmitoyltransferase I (which is located in the outer membrane and is detergent-labile) and carnitine palmitoyltransferase II (which is located in the inner membrane and is detergent-stable), together with a carnitine-acylcarnitine translocase. CPT I is the key enzyme in the carnitine-dependent transport across the mitochondrial inner membrane and its deficiency results in a decreased rate of fatty acid beta-oxidation. Alternatively spliced transcript variants encoding different isoforms have been found for this gene. [provided by RefSeq]

Other carnitine palmitoyltransferase 1A,carnitine palmitoyltransferase I, liver

Designations:

Gene Pathway

[Adipocytokine signaling pathway](#) [Fatty acid metabolism](#) [PPAR signaling pathway](#)

Related Disease

[Alzheimer Disease](#) [Alzheimer disease](#) [Atherosclerosis](#) [Atherosclerosis](#)
[Cardiovascular Diseases](#) [Diabetes Complications](#) [Diabetes Mellitus, Type 2](#)
[Disease Progression](#) [Drug Toxicity](#) [Edema](#) [Fatty Liver](#) [Genetic Predisposition to Disease](#)
[Hepatitis C, Chronic](#) [Hypercholesterolemia](#) [Hypertension](#) [Hypertrophy, Left Ventricular](#)
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