hTR(Texas Red)/CEN3q(FITC) FISH Probe

Catalog # FA0507 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 Products	DAPI Counterstain (1500 ng/mL) 250 uL
Storage Instruction	Store at 4°C in the dark.
Self-Attestation	Abnova self-attests to comply with the U.S. Framework for Nucleic Acid Synthesis Screening

Applications

- Fluorescent In Situ Hybridization (Cell)

  Protocol Download

Gene Info — TERC

Entrez GeneID	7012
Gene Name	TERC
Gene Alias	SCARNA19, TR, TRC3, hTR

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Gene Description	telomerase RNA component
Omim ID	127550 602322 609135
Gene Ontology	Hyperlink
Gene Summary	Telomerase is a ribonucleoprotein polymerase that maintains telomere ends by addition of the tel omere repeat TTAGGG. The enzyme consists of a protein component with reverse transcriptase activity, and an RNA component, encoded by this gene, that serves as a template for the telomere repeat. Telomerase expression plays a role in cellular senescence, as it is normally repressed in postnatal somatic cells resulting in progressive shortening of telomeres. Deregulation of telomera se expression in somatic cells may be involved in oncogenesis. Studies in mouse suggest that tel omerase also participates in chromosomal repair, since de novo synthesis of telomere repeats m ay occur at double-stranded breaks. Mutations in this gene cause autosomal dominant dyskerato sis congenita, and may also be associated with some cases of aplastic anemia. [provided by Ref Seq
Other Designations	-

Disease

- Anemia
- Bone Marrow Diseases
- Breast Neoplasms
- Dyskeratosis Congenita
- Fanconi Anemia
- Genetic Predisposition to Disease
- Heart Defects
- Leukemia
- Neural Tube Defects
- Pulmonary Fibrosis
- Scleroderma
- Syndrome

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