

TERT (Human) Cell-Based ELISA Kit

Catalog # KA3518

Size 1 Kit

Specification

Product Description	TERT (Human) Cell-Based ELISA Kit is an indirect enzyme-linked immunoassay for qualitative determination of TERT expression in cultured cells.
Suitable Sample	Attached Cell, Loosely Attached Cell, Suspension Cell
Label	HRP-conjugated
Detection Method	Colorimetric
Assay Type	Qualitative
Reactivity	Human
Regulation Status	For research use only (RUO)
Storage Instruction	Store the kit at 4°C.

Applications

- Qualitative

Gene Info — TERT

Entrez GeneID	7015
Gene Name	TERT
Gene Alias	EST2, TCS1, TP2, TRT, hEST2
Gene Description	telomerase reverse transcriptase
Omim ID	187270 609135

Gene Ontology

[Hyperlink](#)

Gene Summary

Telomerase is a ribonucleoprotein polymerase that maintains telomere ends by addition of the telomere repeat TTAGGG. The enzyme consists of a protein component with reverse transcriptase activity, encoded by this gene, and an RNA component which 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 telomerase expression in somatic cells may be involved in oncogenesis. Studies in mouse suggest that telomerase also participates in chromosomal repair, since de novo synthesis of telomere repeats may occur at double-stranded breaks. Alternatively spliced variants encoding different isoforms of telomerase reverse transcriptase have been identified; the full-length sequence of some variants has not been determined. Alternative splicing at this locus is thought to be one mechanism of regulation of telomerase activity. [provided by RefSeq]

Other Designations

telomerase catalytic subunit

Disease

- [Adenocarcinoma](#)
- [Anemia](#)
- [Asthma](#)
- [Bone Marrow Diseases](#)
- [Brain Neoplasms](#)
- [Breast cancer](#)
- [Breast Neoplasms](#)
- [Carcinoma](#)
- [Cardiovascular Diseases](#)
- [Coronary Artery Disease](#)
- [Diabetes Mellitus](#)
- [Disease Progression](#)
- [Dyskeratosis Congenita](#)
- [Eczema](#)
- [Edema](#)
- [Endometrial Neoplasms](#)

- [Esophageal Neoplasms](#)
- [Genetic Predisposition to Disease](#)
- [Genomic Instability](#)
- [Glioblastoma](#)
- [Glioma](#)
- [Head and Neck Neoplasms](#)
- [Hepatitis](#)
- [Hypersensitivity](#)
- [Leukemia](#)
- [Lung Neoplasms](#)
- [Melanoma](#)
- [Meningeal Neoplasms](#)
- [Meningioma](#)
- [Myocardial Infarction](#)
- [Neoplasm Metastasis](#)
- [Neoplasms](#)
- [Ovarian Neoplasms](#)
- [Pancreatic Neoplasms](#)
- [Papillomavirus Infections](#)
- [Pulmonary Disease](#)
- [Pulmonary Fibrosis](#)
- [Rhinitis](#)
- [Skin Neoplasms](#)
- [Syndrome](#)
- [Testicular Neoplasms](#)
- [Tobacco Use Disorder](#)

- [Urinary Bladder Neoplasms](#)
- [Uterine Cervical Neoplasms](#)
- [Virus Diseases](#)
- [Werner syndrome](#)