

TERT 抗原

中文名称: TERT 抗原

英文名称: TERT Antigen

别名: TP2, TRT, EST2, TCS1, hTRT, DKCA2, DKCB4, hEST2, PFBMFT1

相关类别: 抗原

储存: 冷冻 (-20℃)

概述

Synthetic peptide corresponding to a region derived from 1120-1132 amino acids of human telomerase reverse transcriptase

技术规格

Full name:	telomerase reverse transcriptase
Synonyms:	TP2, TRT, EST2, TCS1, hTRT, DKCA2, DKCB4, hEST2, PFBMFT1
Gene Accession:	NP_937983
SwissProt:	O14746
Background:	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.