

Datasheet for ABIN5519516

TransScript® II Reverse Transcriptase

Overview

Quantity:	10000 units
Application:	cDNA Synthesis (cDNA)

Product Details

Purpose:	TransScript® II Reverse Transcriptase is a recombinant M-MLV reverse transcriptase with deficient RNase H activity and increased thermostability.
Brand:	TransScript®
Specificity:	Increased thermostability for more full-length cDNA products. Reaction temperature at 42 °C-55 °C. >Deficient RNase H activity to reduce RNA template degradation during the first-strand cDNA synthesis. Anchored Oligo(dT)20 Primer for higher yield and more full length cDNA. cDNA up to 15 kb.
Characteristics:	The enzyme is active at up to 55 °C. It provides higher specificity, higher yield and more full-length cDNA products.
Components:	TransScript® II Reverse Transcriptase, 5xTS II RT Buffer, Anchored Oligo (dT)20 Primer (0.5 µg/µL)
Unit Definition:	One unit of TransScript® II RT incorporates 1 nmol of deoxyribonucleotide into acid-precipitable material in 10 minutes at 37°C using Poly(A)/Oligo(dT) as template/primer.

Application Details

Application Notes:	First-strand cDNA synthesis, cDNA library construction, 3' and 5' RACE, Multiple copy and low copy gene detection, GC-rich or complex secondary structure RNA template
Restrictions:	For Research Use only

Handling

Buffer: 10xTS II RT Buffer: 500 mM KCl, 30 mM MgCl₂, 100 mM Tris-HCl pH 8.4

Storage: -20 °C

Storage Comment: at -20°C for two years

Expiry Date: 24 months

Publications

Product cited in: Johnson, Drugan, Miller, Evans: "38" in: , Vol. 1363, Issue Nucleic acids research, pp. 28-39, (1991)