

TransScript® II One-Step RT-PCR SuperMix

Cat. No. AH411

Storage: at -20°C for two years

Description

One-Step RT-PCR combines the first-strand cDNA synthesis with PCR in the same tube to simplify reaction setup and reduce the possibility of contamination. Only gene-specific primers can be used for One-Step RT-PCR. *TransScript*® II RT and *TransTaq*® HiFi DNA Polymerase are used in the kit.

Highlights

Amplification of fragment up to 8 kb.

Applications

- Multiple copy and low copy gene detection
- GC-rich or complex secondary structure RNA template

Kit Contents

Component	AH411-02 (200 rxns)
<i>TransScript</i> ® II One-Step Enzyme Mix	80 µl
2×One-Step Reaction Mix	2×1 ml
RNase-free Water	2×1 ml

Reaction Components

Component	Volume	Final Concentration
RNA Template	1 pg~1 µg	as required
Forward Primer (10 µM)	0.4 µl	0.2 µM
Reverse Primer (10 µM)	0.4 µl	0.2 µM
2× One-Step Reaction Mix	10 µl	1×
<i>TransScript</i> ® II One-Step Enzyme Mix	0.4 µl	-
RNase-free Water	to 20 µl	Not applicable

Thermal cycling conditions

50°C	15-30 min	} 35-40 cycles
94°C	2-5 min	
94°C	30 sec	
50-60°C	30sec	
72°C	1-2 kb/min	
72°C	5-10 min	

FOR RESEARCH USE ONLY