

# ***Lnc-RT Hero™ I (With gDNase)***



# PRODUCT INTRODUCTION



FOREGENE

## **Lnc-RT Hero™ I (With gDNase)**

25×20μl Rxns, 50×20μl Rxns

Lnc-RT Hero™ I (With gDNase) is a reverse transcription system specially developed for lncRNA to quickly remove genomic DNA contamination. 5×gDNase Mix can quickly remove the remaining genome in RNA at 42°C for 2 minutes, effectively avoiding the interference of genome on qPCR results.

5×L-RT Hero™ Mix contains Foregene lncRNA Reverse Transcriptase specially developed by Foregene, which is a new type of reverse transcriptase specifically for lncRNA and other long RNA complex templates, with stronger RNA affinity and higher reversal recording efficiency. The optimized system makes the reverse transcription rate faster and can easily transcribe RNA templates with high GC content and complex secondary structure. The first strand cDNA synthesis can be completed at 42°C in 15 minutes.



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25×20μl Rxns, 50×20μl Rxns



### Product components

- ◆ 5× gDNase Mix
- ◆ 5× L-RT Hero™ Mix
- ◆ RNase-Free ddH<sub>2</sub>O
- ◆ Instructions

### Ordering information

Product Name	Specifications	Ref No.	Description
Lnc-RT Hero™ I (With gDNase)	25 × 20 μL rxns	RT-09098	This product is a reverse transcription system specially developed for LncRNA to quickly remove genomic DNA contamination
	50 × 20 μL rxns	RT-09099	

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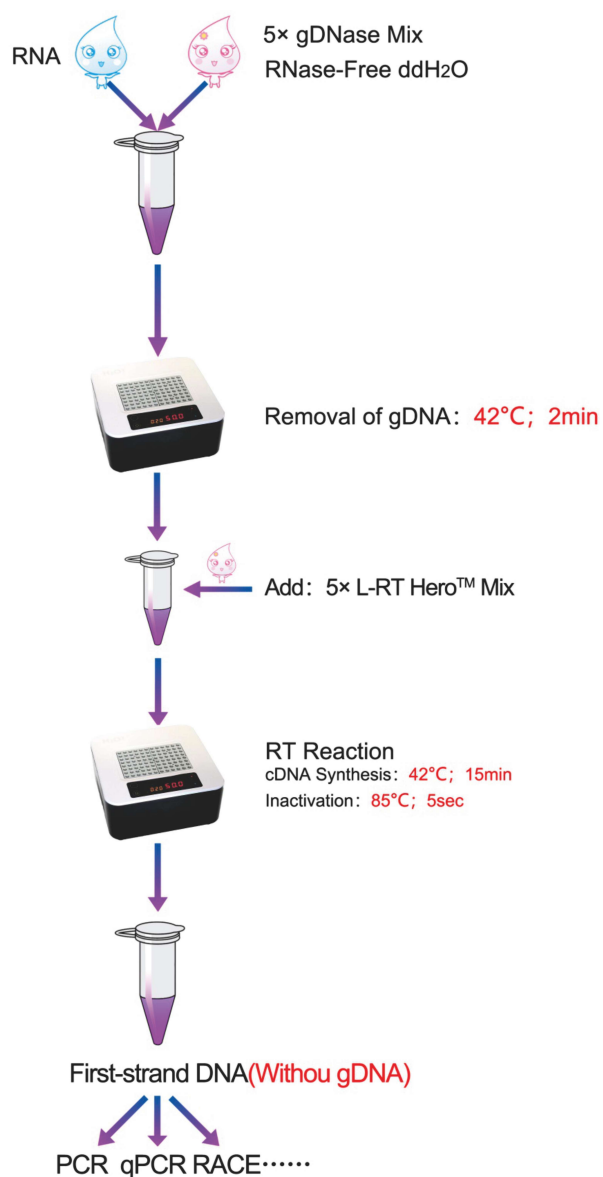
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## Operation process



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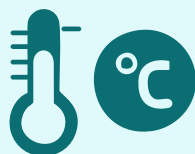


# FOREGENE

## Features&advantages

- △ Efficient ability to remove gDNA, which can remove gDNA in the template within 2 minutes.
- △ It can efficiently reverse transcription of lncRNA. When the reverse transcription product is subjected to qPCR, the Ct value is lower than that of conventional reverse transcription system.
- △ Efficient reverse transcription system, it only takes 15 minutes to complete the synthesis of the first strand cDNA.
- △ Complex templates: templates with high GC content and complex secondary structure can also be reversed with high efficiency.
- △ High-sensitivity reverse transcription system, pg-level templates can also get high-quality cDNA.
- △ The reverse transcription system has high thermal stability, the optimal reaction temperature is 42°C, and it still has good reverse transcription performance at 50°C.

## Preservation conditions



-The kit should be stored at -20°C. Store the product in a constant temperature refrigerator at -20°C immediately after receipt. If the storage conditions are appropriate, the product will not degrade any performance during the 1-year validity period.

## Product application

**\*Lnc-RT Hero™ I (With gDNase):**

lncRNA relative quantitative analysis.

lncRNA absolute quantitative analysis.

It can quickly and accurately analyze trace RNA such as RNA virus.

Reverse transcription of RNA templates with high GC content or complex secondary structure.

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# COMPANY PROFILE



# FOREGENE

Foregene is specialized in the IVD kits and the lab reagents products ,which is integrated in R&D, manufacturing and marketing together. Foregene has the world's leading Direct PCR platform. The main products include various IVD kits, nucleic acid purification reagents, PCR and Direct PCR reagents, Genotyping kits, etc. The technology and product performance indicators used are all leading the world status, widely applied in hospitals, institutions, medical laboratories, etc.



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