

AzuraQuant™ II cDNA Synthesis Kit

High Capacity, Easy-to-Use cDNA Synthesis in 25 Minutes

The Azura-Quant™ II cDNA Synthesis Kit has been developed for fast and sensitive first-strand cDNA Synthesis. The kit was developed to provide unbiased synthesis across a wide range of input RNA, up to 2 µg.

The AzuraQuant™ II cDNA Synthesis Kit is supplied with a high-performance 5x cDNA synthesis mix including an optimized ratio of random hexamer primers and anchored oligo (dT) primers, which delivers excellent consistency. The AzuraQuant™ II cDNA Synthesis Kit delivers both highly efficient first-strand synthesis and higher cDNA yields, leading to enhanced reproducibility and data accuracy. The kit is supplied in a convenient 2-tube format comprised of a 5x cDNA synthesis mix and 20x HighTherm™ II reverse transcriptase blended with RNase inhibitor. HighTherm™ II reverse transcriptase exhibits enhanced thermostability and processivity, low RNase H activity, and robust overall performance in cDNA synthesis.

Applications

- 2-step RT-qPCR
- 2-step RT-PCR

Convenience

Two-tube format and simple 25 minute protocol

Unbiased, Sensitive cDNA Synthesis

Complete 5' to 3' RNA representation from 4 pg to 2 µg Total RNA

Reproducible

HighTherm™ II reverse transcriptase coupled with an optimized 5x cDNA Buffer system for consistent, high-yield qPCR-ready cDNA

Broad Dynamic Range

High-yield cDNA synthesis across a wide range of RNA concentrations

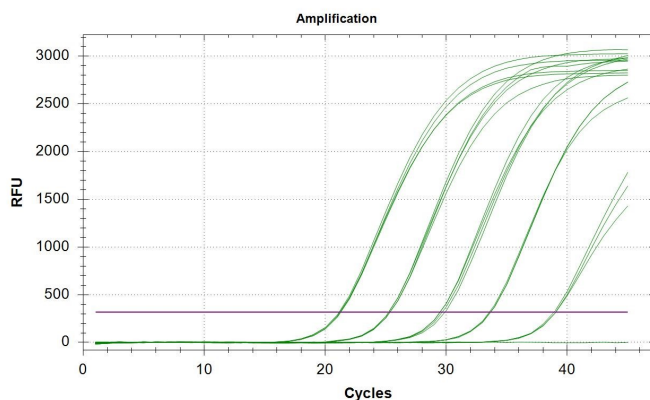
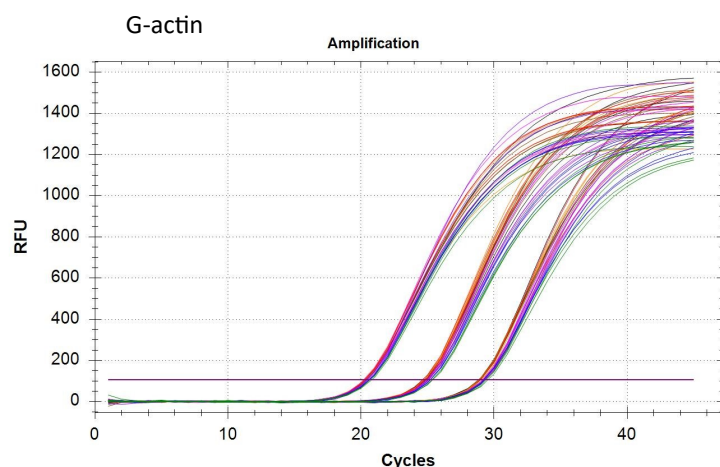
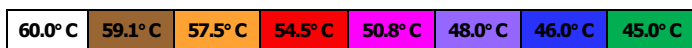
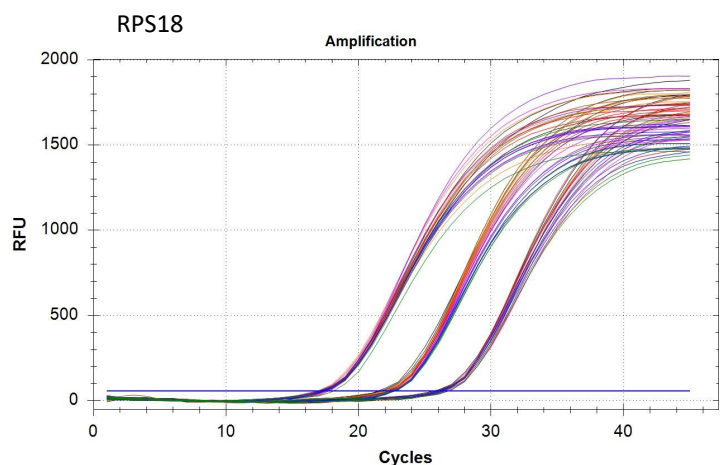


Fig 1. AzuraQuant™ II cDNA Synthesis Kit displays efficient cDNA synthesis over a broad dynamic range of input RNA, from 400 ng to 4 µg.

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Fig 2 and 3. AzuraQuant™ II cDNA Synthesis Kit with HighTherm™ II reverse transcriptase exhibits cDNA synthesis across a wide range of incubation temperatures of 45° C to 60° C with targets RPS18 and G-actin.

Products	Pack Size	Catalog No.
AzuraQuant™ II cDNA Synthesis Kit	25 Reactions	AZ-2501
AzuraQuant™ II cDNA Synthesis Kit	100 Reactions	AZ-2504
AzuraQuant™ II cDNA Synthesis Kit	500 Reactions	AZ-2520