

# *Fast* Real-Time PCR/RT-PCR



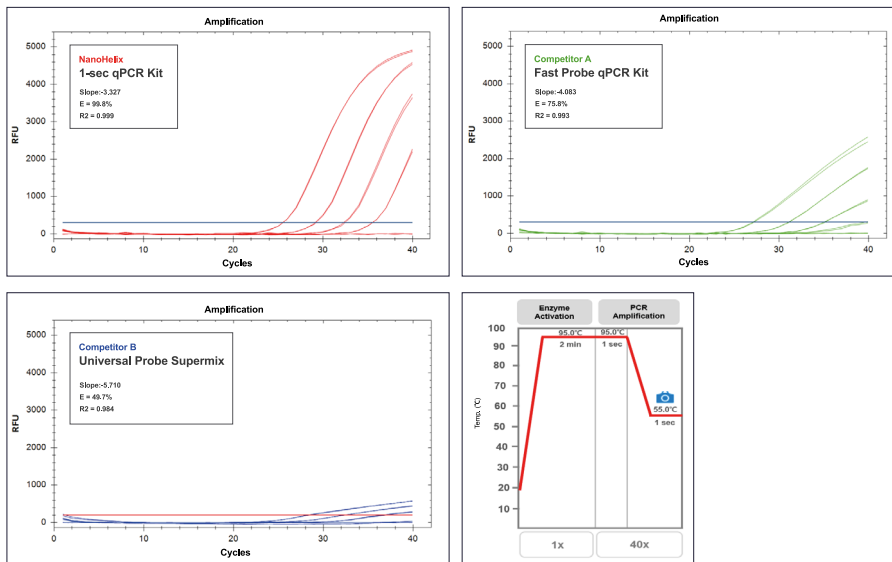
Fast & Ultra Fast / Multiplex Real-Time Amplification

# RealHelix™ 1-sec qPCR Kit [Probe] (Ver. 2.0)

- **Fast** (< 30 min) or **ultra fast** (< 20 min) for 40 cycles
- **Multiplex**: up to 5-plex probes in a reaction
- **Sensitive**: Reliable detection as low as 10 copies of target
- **Ab-based hot start Taq polymerase / UDG system**

**29 min / 40 cycles**

\* Instrument: CFX96 (Bio-Rad)



\* Templates: Human genomic DNA(10, 1, 0.1, 0.01 ng) & NTC

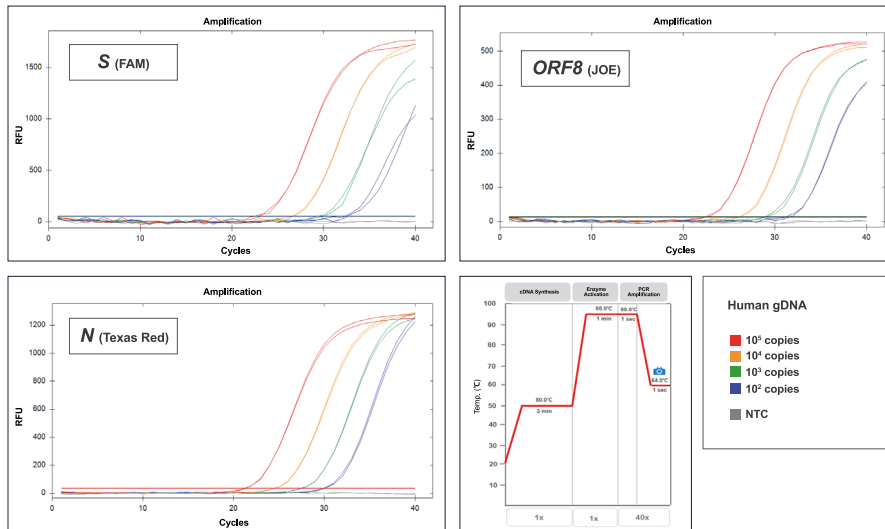
*Hs-GloB* gene fragment was amplified from 10-fold serial dilutions of human genomic DNA (10 ng ~ 0.01 ng/20 µl rxn) using 1-sec qPCR kit or other competitor's fast probe qPCR kits under the same condition.

# RealHelix™ qRT-PCR Kit [v6] / [v7] [UDG System]

- **Fast** (< 45 min) or **ultra fast** (< 25 min) for 40 cycles
- **Multiplex**: up to 5-plex probes in a reaction
- **Ab-based hot start Taq polymerase**
- **UDG System**: Prevention of Carryover Contamination

**45 min / 40 cycles**

\* Instrument: CFX96 (Bio-Rad)

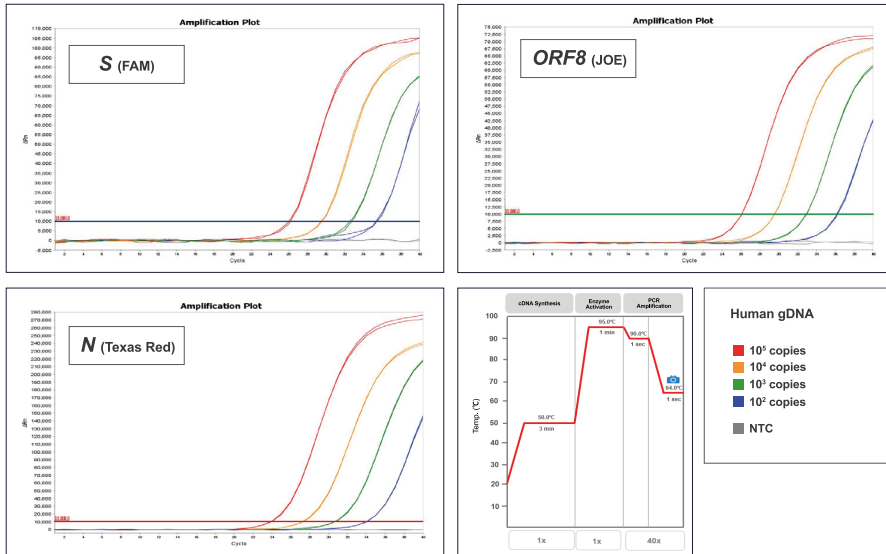


Fast and Multiplex Reaction using the RealHelix™ qRT-PCR Kit [v6]/[7] [UDG System]

■ qRT-PCR : An ultra fast application

**21 min / 40 cycles**

\* Instrument: QuantStudio 5 (Applied Biosystems)



	S gene (FAM)		ORF8 (JOE)		N gene (Texas Red)	
	Ct	Avg. Ct	Ct	Avg. Ct	Ct	Avg. Ct
<b>10<sup>5</sup></b>	26.05	<b>26.01</b>	26.04	<b>26.03</b>	23.68	<b>23.92</b>
	25.97		25.02		23.85	
<b>10<sup>4</sup></b>	29.52	<b>29.47</b>	29.54	<b>29.54</b>	27.07	<b>27.10</b>
	29.42		29.54		27.12	
<b>10<sup>3</sup></b>	32.59	<b>32.68</b>	32.91	<b>32.92</b>	30.43	<b>30.48</b>
	32.77		32.92		30.53	
<b>10<sup>2</sup></b>	35.72	<b>35.60</b>	36.12	<b>36.17</b>	33.83	<b>33.87</b>
	35.47		36.22		33.91	

# Ordering Information

## FAST Real-Time PCR

Product	Size	Cat. No.
RealHelix™ 1-sec qPCR Kit [Probe] (Ver. 2.0)	200 rxns	SQP2-P200
RealHelix™ 1-sec qPCR Kit [Probe] (Ver. 2.0)	500 rxns	SQP2-P500
RealHelix™ 1-sec qPCR Kit [Probe] [UDG System] (Ver. 2.0)	200 rxns	SQPU2-P200
RealHelix™ 1-sec qPCR Kit [Probe] [UDG System] (Ver. 2.0)	500 rxns	SQPU2-P500

Bulk Product	Size	Cat. No.
RealHelix™ 1-sec qPCR Kit [Probe] (Ver. 2.0), Bulk	Custom	BSQP2
RealHelix™ 1-sec qPCR Kit [Probe] [UDG System] (Ver. 2.0), Bulk	Custom	BSQPU2

## FAST Real-Time RT-PCR

Product	Size	Cat. No.
RealHelix™ RealHelix™ qRT-PCR Kit [v6] [UDG System]	100 rxns	CVQR6-T100
RealHelix™ RealHelix™ qRT-PCR Kit [v7] [UDG System]	100 rxns	CVQR7-T100

Bulk Product	Size	Cat. No.
RealHelix™ RealHelix™ qRT-PCR Kit [v6] [UDG System], Bulk	Custom	BCVQR6
RealHelix™ RealHelix™ qRT-PCR Kit [v7] [UDG System], Bulk	Custom	BCVQR7



## NanoHelix Co., Ltd.

(Tel. +82-42-867-9055, Fax +82-42-867-9057)

A-dong and B-dong, 43-15, Techno 5-ro, Yuseong-gu, Daejeon 34014, Republic of Korea

[www.nanohelix.net](http://www.nanohelix.net)

[info@nanohelix.net](mailto:info@nanohelix.net)

