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Product Data Sheet

hsa-mir-296-3p RT-PCR Primer Set

Catalog #	Source	Reactivity	Applications
CPK3165	Synthetic	H	RT-PCR, Real-time RT-PCR

Description	Stem-loop RT primer and PCR primer set to detect mature miRNA hsa-mir-296-3p expression.
Form	Lyophilized powder
PCR Method	2-Step qRT-PCR
Detection Range	Seven orders of magnitude
Sensitivity	10 copies of a standard mimics and as little as 25 pg of total RNA
Sample Types	miRNA, Total RNA
Platform	ABI 7500 System/ViiA™ 7 System/StepOne™/StepOnePlus™/7900HT System; BioRad IQ5.0/CFX Connect; Stratagen MX3000p/4000p; Roche LightCycler 480
Directions for Use	RT primer (1 nmol): Add 100 ul RNase-free H_2O to 10 uM RT primer dilution. PCR primer set (2 nmol): Add 200 ul RNase-free H_2O to 10 uM primer set dilution.
Application	The miRNAs RT-PCR primer set contains a stem-loop RT primer and a pair of specific PCR primer set. Combined with the custom's RT and PCR reagent, it provides a sensitive and specific method of real-time PCR for quantificating of miRNAs from total RNA samples. It is Ideal for validating microRNA expression profiling data and high-throughput applications. Trait lies in even highly homogized miRNAs can be accurately dicriminated ensurenced by stemloop RT primer and high specific miRNAs primer set.
Storage/Stability	-20 °C for 2 years

Application key: E- ELISA, WB- Western blot, IH- Immunohistochemistry, IF- Immunofluorescence, FC- Flow cytometry, IC- Immunocytochemistry, IP- Immunoprecipitation, ChIP- Chromatin Immunoprecipitation, EMSA- Electrophoretic Mobility Shift Assay, BL- Blocking, SE- Sandwich ELISA, CBE- Cell-based ELISA, RNAi- RNA interference
Species reactivity key: H- Human, M- Mouse, R- Rat, B- Bovine, C- Chicken, D- Dog, G- Goat, Mk- Monkey, P- Pig, Rb- Rabbit, S- Sheep, Z- Zebrafish

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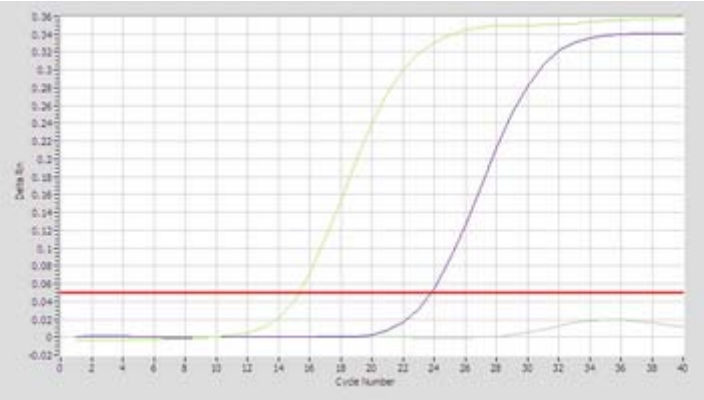
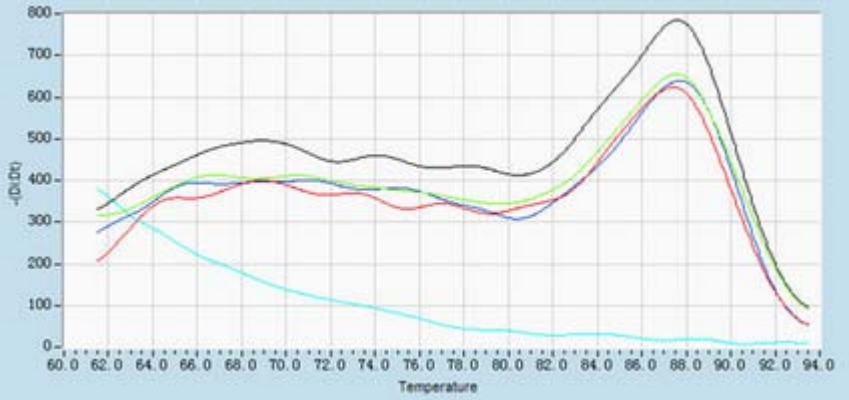
Validated Data



Synthesized standard amplifiction curve (10nM/100pM)

Amplifiction curve in total RNA from cells



Dissociation curve (Note: the minor peak on the left is the negative control)

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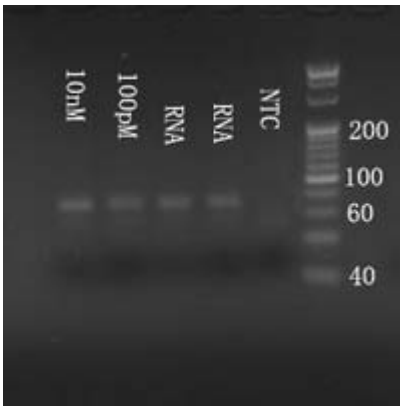

Electrophoresis Image (20bp marker)

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