

## mmu-mir-34a RT-PCR Primer Set

| Catalog #                 | Source   | Reactivity | Applications             |
|---------------------------|--|------------|--------------------------|
| CPK3272                   | Synthetic  | M          | RT-PCR, Real-time RT-PCR |
| <b>Description</b>        | Stem-loop RT primer and PCR primer set to detect mature miRNA mmu-mir-34a expression.  |            |                          |
| <b>Form</b>               | Lyophilized powder   |            |                          |
| <b>PCR Method</b>         | 2-Step qRT-PCR   |            |                          |
| <b>Detection Range</b>    | Seven orders of magnitude  |            |                          |
| <b>Sensitivity</b>        | 10 copies of a standard mimics and as little as 25 pg of total RNA   |            |                          |
| <b>Sample Types</b>       | miRNA, Total RNA   |            |                          |
| <b>Platform</b>           | ABI 7500 System/ViiA™ 7 System/StepOne™/StepOnePlus™/7900HT System; BioRad IQ5.0/CFX Connect; Stratagen MX3000p/4000p; Roche LightCycler 480   |            |                          |
| <b>Directions for Use</b> | RT primer (1 nmol): Add 100 ul RNase-free H <sub>2</sub> O to 10 uM RT primer dilution.<br>PCR primer set (2 nmol): Add 200 ul RNase-free H <sub>2</sub> O to 10 uM primer set dilution.   |            |                          |
| <b>Application</b>        | 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 ensured by stemloop RT primer and high specific miRNAs primer set. |            |                          |
| <b>Storage/Stability</b>  | -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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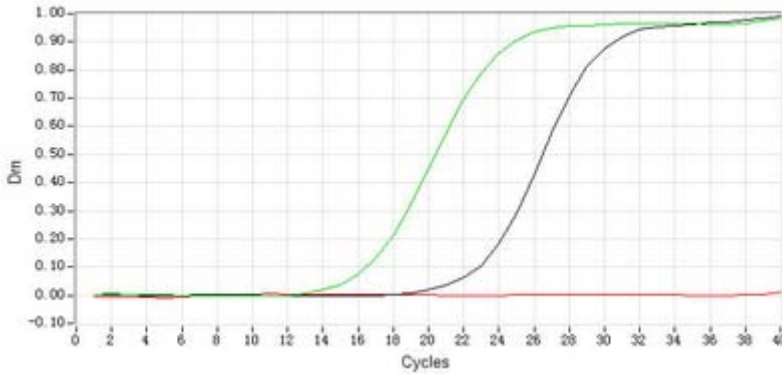
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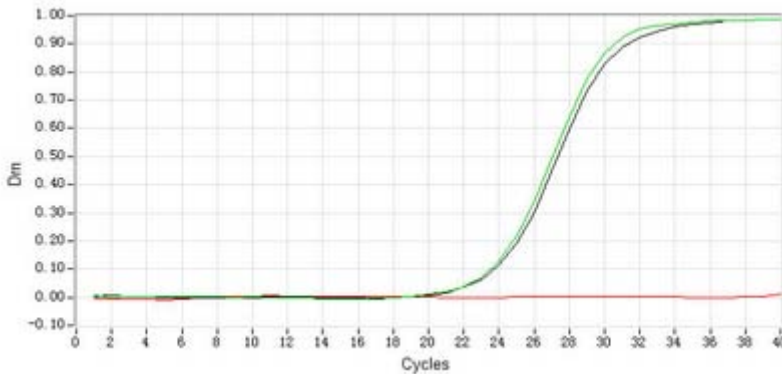
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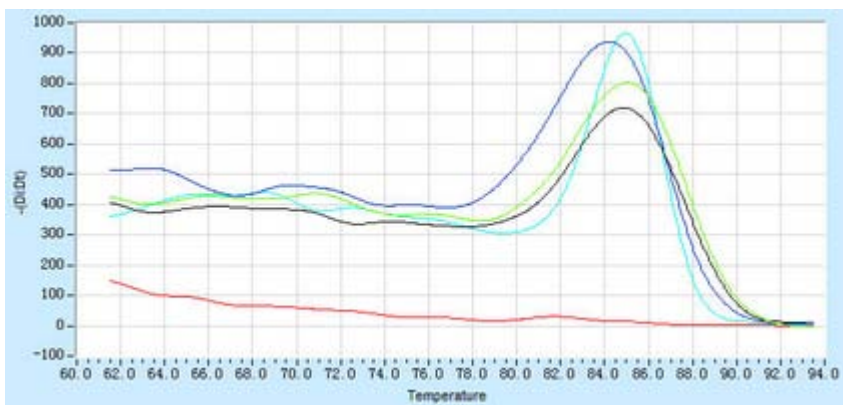
## Validated Data



Synthesized standard amplification curve (10nM/100pM)



Amplification curve in total RNA from cells



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

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# Product Data Sheet



Electrophoresis Image (20bp marker)

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