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INSTRUCTIONS FOR USE

Product Name: 1st Strand cDNA Synthesis SuperMix for qPCR (gDNA Digester Plus) **Catalog # CDN01-M29A**

Residual genomic DNA removal:

Step 1. In an RNase Free centrifuge tube add the following reaction components:

3 µL	5Xg DNA Digester Mix
10 pg-1 µg	RNA Template
Up to 15 µL	RNase Free H20

- For low expression genes, the total RNA template added to the reaction can be up to 5 µg. High RNA amount might exceed the linear range of subsequent quantitative PCR.
- For mRNA templates the recommended amount is 10 pg-500 ng.

Step 2. Gently mix the reaction with a pipette and incubate at 42⊠C for 2 min.

Step 3. Add 5 µL of the 1st Strand cDNA Synthesis SuperMix and gently mix with a pipette.

Step 4. Run the following thermal cycling settings:

25°C	5 min
55°C	15 min
85°C	5 min

- For high GC templates or complex templates, the reverse transcription temperature can be raised from 55°C to 60.