

# DeCodi-Fi

2X ALL IN ONE MIX

QUICK START GUIDE



**blikka**<sup>®</sup>  
KURA

## Standard Recipe

| Components                     | 25 $\mu$ L reaction | Final concentration |
|--------------------------------|---------------------|---------------------|
| dH <sub>2</sub> O              | To 25 $\mu$ L       | -                   |
| DNA template                   | Variable*           | 1 ng-100 ng         |
| Forward primer (10 $\mu$ M)    | 0.5 $\mu$ L         | 0.2 $\mu$ M         |
| Reverse primer (10 $\mu$ M)    | 0.5 $\mu$ L         | 0.2 $\mu$ M         |
| DeCodi-Fi<br>2X All-in-One Mix | 12.5 $\mu$ L        | 1X                  |

### Primer Design:

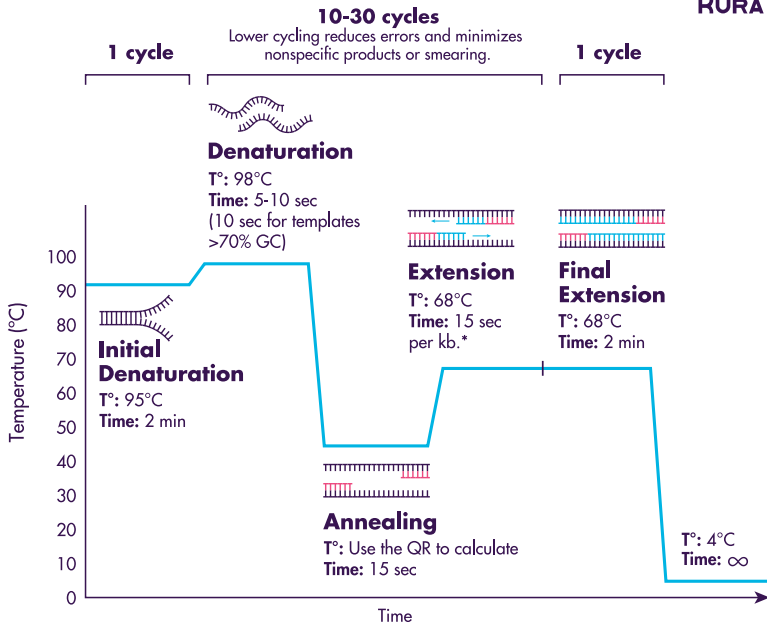
It is recommended to incorporate two phosphorothioate bonds at the 3'-ends of primer.

### \*Recommendations:

- ◆ 5- 50 ng gDNA
- ◆  $\leq 1$  ng for templates  $\leq 50$ Kb.
- ◆ Load  $>10^4$  copies of template for obtaining amplification at 25 cycles, AVOID to use more than 100 ng per reaction
- ◆ **TIP:** 35 ng of human gDNA corresponds to  $10^4$  copies

### Technical Data Sheet





### \*Recommendations:

- ◆ For plasmid amplification, linearize the plasmid or lower the extension time if a higher molecular weight band is observed.

**T<sub>m</sub> calculator**  
Use the temperature obtained in the "salt adjusted" field.

