

## Product Manual

|                    |  |
|--------------------|--|
| Product Name       | GC Enhancer                              |
| Catalog Number     | CSB-DKT054                               |
| Physical Form      | Liquid                                   |
| Storage Conditions | -20 ±5°C                                 |
| Quality Control    | Free from endonucleases and exonucleases |
| Shelf Life         | 24 months                                |

### Product Description

GC Enhancer is a blended additive composed of multiple components. In PCR reactions, it effectively lowers the denaturation temperature of high GC templates and templates with complex secondary structures. This greatly reduces the impact of DNA secondary structures on PCR, enhancing the sensitivity and specificity of the reaction. It is compatible with almost all DNA polymerase amplification systems. When optimizing PCR protocols fail to amplify the target fragment effectively, adding GC Enhancer may yield unexpected results.

### Product Components

| Component No. | Component Name | Specification |     |      |
|---------------|----------------|---------------|-----|------|
|               |                | 1mL           | 5mL | 50mL |
| 1             | GC Enhancer    |               |     |      |

### Usage Instructions

This product is provided at a 5× concentration, and the recommended final concentration is 1×. For a 50 µL reaction system, add 10 µL of GC Enhancer.

### Precautions

This product may reduce the fidelity of PCR. Therefore, caution should be exercised when using it for high-fidelity PCR.