

## Bst DNA Polymerase (Large fragment)

### Product Information

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| <b>Cat#</b>        | ENZD-P13                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |
| <b>Description</b> | The large fragment variant of Bst DNA Polymerase retains powerful strand displacement DNA synthesis activity while removing 5'-3' exonuclease function, making it the optimal enzyme for constant-temperature isothermal nucleic acid amplification technologies including LAMP. It maintains sustained catalytic activity at medium constant temperatures without repeated thermal cycling equipment requirements, supporting portable rapid pathogen detection at grassroots testing sites. The purified enzyme features low background amplification and consistent amplification efficiency across viral, bacterial and parasite nucleic acid templates. |
| <b>Application</b> | This product can be applied for constant-temperature isothermal nucleic acid amplification such as LAMP with strong strand displacement activity.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |
| <b>Benefits</b>    | Delivers ultra-high detection sensitivity with a minimum DNA detection limit of 0.1 pg and ensures high purity without nuclease contamination and residual bacterial DNA to reduce false-positive results.                                                                                                                                                                                                                                                                                                                                                                                                                                                   |
| <b>Size</b>        | 100 µL, 1000 µL                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |