

**Product Details**

Bst DNA Polymerase is a recombinant form of *Bacillus stearothermophilus* DNA Polymerase, Large Fragment produced in *Escherichia coli*. Bst DNA Polymerase contains 5'→3' DNA polymerase activity with either DNA or RNA templates and strong strand displacement activity, but lacks 5'→3' and 3'→5' exonuclease activity.

Application

Isothermal amplification (LAMP, RT-LAMP)

DNA sequencing of rich GC sequence

Rapid sequencing of DNA templates (ng)

Unit Definition

One unit is defined as the amount of enzyme that will incorporate 25 nmol of dNTP into acid insoluble material in 30 minutes at 65°C.

Purity

>90% as determined by SDS-PAGE.

Enzyme Activity

>8 U/μL

Endotoxin

Less than 1.0 EU per μg by the LAL method.

Formulation

Supplied as 0.2 μm filtered solution in 10 mM Tris-HCl, pH7.1 with glycerol as protectant.

Contact us for customized product form or formulation.

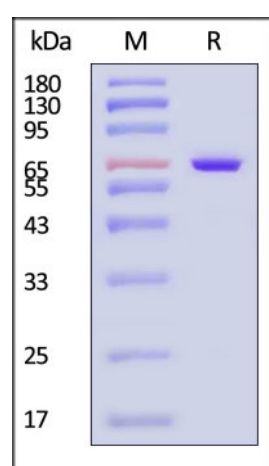
Shipping

This product is supplied and shipped with blue ice, please inquire the shipping cost.

Storage

This product is stable after storage at:

- The product **MUST** be stored at -20°C or lower upon receipt.
- -20°C for 3 months under sterile conditions.

SDS-PAGE

The gel was stained with Coomassie Blue. The purity of the protein is greater than 90% (With [Star Ribbon Pre-stained Protein Marker](#)).

Bioactivity

One unit is defined at the amount of enzyme that will incorporate 10 nmol of dNTP into acid insoluble material in 30 minutes at 65°C (QC tested).

Clinical and Translational Updates

Discounts, Gifts,
and more!

