



## Thermo SSBP

**Product Number: SS02**

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### Shipping and Storage

Store at -20°C for 24 months, transporting on blue ice.

### Components

Component	SS02
Thermo SSBP	1 ml

### Description

Thermo stable Single-Stranded DNA Binding Protein is a single-stranded DNA binding protein isolated from a hyperthermophilic microorganism, which remains fully active after incubation at 95°C for 60 minutes. Due to the extreme thermostability, thermostable SSB can be used in applications that require extremely high temperature conditions, such as nucleic acid amplification and sequencing.

### Features

Thermostable SSB can be used in applications that require extremely high temperature conditions, such as nucleic acid amplification and sequencing.

1. Improve the processivity of DNA polymerase;
2. Stabilization and marking of ssDNA structure;
3. Increase the yield and specificity of PCR;
4. Increase the yield and processivity of RT during RT-PCR;
5. Improve DNA sequencing through regions with strong secondary structure;

### Applications

RT-PCR & cDNA Synthesis

### Concentration

5mg/ml

### Storage Buffer

1. 20 mM Tris-HCl
2. 200 mM NaCl
3. 0.5 mM DTT
4. 1 mM EDTA
5. 50% Glycerol
6. pH 7.5 in 25°C