

Catalog	Unit
TBP0160-50	50 µg

### Description

Thermostable Single-Stranded DNA Binding Protein (SSBP) is derived from a hyperthermophilic microorganism and retains full activity even after being incubated at 95°C for 60 minutes. Its exceptional heat resistance makes it well-suited for high-temperature applications like nucleic acid amplification and sequencing.

### Product Details

**Concentration:** 5mg/ml

**Application:** RT-PCR & cDNA Synthesis

**Storage Buffer:** 20 mM Tris-HCl, 200 mM NaCl, 0.5 mM DTT, 1 mM EDTA, 50% Glycerol, pH7.5 in 25°C.

**Storage:** Stored at -20°C, for 24 months

### Features

1. Thermostable SSB can be used in applications that require extremely high temperature conditions, such as nucleic acid amplification and sequencing.
2. Improve the processivity of DNA polymerase.
3. Stabilization and marking of ssDNA structure.
4. Increase the yield and specificity of PCR.
5. Increase the yield and processivity of RT during RT-PCR.
6. Improve DNA sequencing through regions with strong secondary structure.

**For research use only**