Extremely high heat stable single strand DNA binding protein

Item No. : S6220

Specification: 200μg

Storage: -20℃ storage, valid for 3 years.

Product composition:

Components	200 μg	Storage
ET SSB Protein (1μg/μL)	100 μL	- 20 ℃

Product Description:

ET SSB (extremely high Heat stable single chain binding protein) is a single strand DNA binding protein isolated from extremely heat-resistant microorganisms, and still has full activity after 60 minutes of incubation at 95°C. Because of its extremely high thermal stability, ET SSB can be used in experiments requiring high-temperature reaction conditions, such as improving the elongation of DNA polymerase, stabilizing and labeling ssDNA structure, increasing the yield and specificity of PCR reaction, increasing the yield and elongation of reverse transcription in RT-PCR, and improving DNA sequencing in regions with strong secondary structure.

Product Application:

1. Improve the extension ability of DNA polymerase;
2. Stabilize and label ssDNA structure;
3. Increase the yield and specificity of PCR reaction;
4. And improve DNA sequencing in strong secondary structure regions.

What to watch for:

1. The molecular weight of the protein is 35kD.
2. The protein preservation solution contains 50% glycerol.
3. Usually 200ng can be added to the reaction system of 50μl PCR.