ET SSB

**Source:** An *E. coli* strain that carries the cloned *ssb* gene from a hyperthermophilic organism.

**Applications:**
- Improve the processivity of DNA polymerase (1)
- Stabilization and marking of ssDNA structure (2)
- Increase the yield and specificity of PCR reactions (3–7)
- Improve the yield and processivity of RT during RT-PCR (8–9)
- Improve DNA sequencing through regions with strong secondary structure (6)
- Enhance the RecA activity for ssDNA binding and strand transfer (10,11)

**Molecular Weight:** 16 kDa.

**Quality Assurance:** ET SSB is purified free of contaminating endonucleases and exonucleases. Each lot is tested for ssDNA binding activity and is visually determined to be > 95% pure on an SDSPolyacrylamide gel.

**Notes on Use:** ET SSB is active in any polymerase buffer. Add 200 ng of ET SSB per 50 µl reaction.

**References:**

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