

## Product Manual

<b>Product Name</b>	Extremely Thermostable Single-Stranded DNA Binding Protein
<b>Source</b>	Recombinant expression in Escherichia coli
<b>Catalog Number</b>	CSB-DEM051
<b>Physical Form</b>	Liquid
<b>Storage Conditions</b>	-20 ±5°C
<b>Molecular Weight</b>	35 kDa
<b>Quality Control</b>	Free of nucleases and endonucleases
<b>Shelf Life</b>	24 months

### Product Description

ET SSB (Extremely Thermostable Single-Stranded DNA Binding Protein) is a single-stranded DNA binding protein isolated from extremely heat-resistant microorganisms. It retains full activity even after incubation at 95°C for 60 minutes. Due to its high thermal stability, ET SSB can be used in experiments that require high-temperature reaction conditions, such as enhancing the extension ability of DNA polymerase, stabilizing and labeling ssDNA structures, increasing the yield and specificity of PCR reactions, and increasing the yield and extension ability of reverse transcription in RT-PCR, etc.

### Product components

Component No.	Component Name	Specifications	
1	ET SSB (1µg/µl)	200µg	500µg

### Operating instructions

#### Recommended Reaction System

WUHAN HUAMEI BIOTECH CO.,LTD

📍 No.818 Gaoxin Avenue, Wuhan Hi-tech Medical Devices Park, Donghu High-tech Development Zone 430206, Wuhan City, Hubei Province, P.R. China.

🌐 [www.cusag.cn](http://www.cusag.cn) / [www.cusagivd.com](http://www.cusagivd.com)    ✉ [cusag@cusag.cn](mailto:cusag@cusag.cn)    ☎ +86-27-65521556/+86-27-87196282 Ext 853    📞 +86-27-87196150

Composition	Addition amount
ddH <sub>2</sub> O	Up to 50 $\mu$ L
5 $\times$ PCR buffer	10 $\mu$ L
10 mM dNTPs	1 $\mu$ L
Upstream primer (10 $\mu$ M)	1 $\mu$ L
Downstream primer (10 $\mu$ M)	1 $\mu$ L
Taq DNA Polymerase	0.5 $\mu$ L
Template DNA	X $\mu$ L
ET SSB	0.2 $\mu$ L

**Note:** Typically, 200 ng can be added to a 50  $\mu$ L PCR reaction system.