

Recombinant E.coli Single-Stranded DNA Binding Protein

Cat. No. ssb-50E **Lot. No.** (See product label)

SPECIFICATION

Product Overview	A recombinant E. coli strain carrying the E.coli SSB gene.
Species	E.coli
Source	E.coli
Description	Single-Stranded DNA Binding Protein (SSB) preferentially binds single-stranded DNA, forming a tetramer of four identical 18.9 kDa subunits which protects 8-16 nucleotides, while not binding well to double-stranded DNA. In nature, SSB participates in DNA replication, recombination, and repair functions. In vitro, SSB has been found to stimulate certain DNA polymerase-mediated reactions by relaxing DNA secondary structure and enhancing enzyme processivity.
Molecular Mass	18.975 Daltons
Purity	>99% by SDS-PAGE
Storage	-25 to -15°C
Concentration	2.75 mg/ml
Storage Buffer	50mM Tris-HCL, 200 mM NaCl, 1mM DTT, 0.1mM EDTA, 50% glycerol pH 7.5 @ 25°C.

GENE INFORMATION

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Gene Name	ssb single-stranded DNA-binding protein [Escherichia coli str. K-12 substr. MG1655]
Official Symbol	ssb
Synonyms	ssb; single-stranded DNA-binding protein; NP_418483.1; ssDNA-binding protein
Gene ID	948570
Protein Refseq	NP_418483
Pathway	DNA replication; Homologous recombination; Mismatch repair

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