

Recombinant *Sulfolobus solfataricus* Single-stranded DNA Binding Protein

Cat. No. ssb-49S **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant <i>Sulfolobus solfataricus</i> Single-stranded DNA Binding Protein was expressed in E.coli.
Species	<i>Sulfolobus solfataricus</i> P2
Source	E.coli
ProteinLength	148
Description	The protein binds to ssDNA, binding approximately 5 nucleotides per monomer. Binding may be slightly cooperative. Inhibits the endonuclease activity of XPF.
Form	0.2 µl filtered concentrated solution in 20 mM Tris, pH 7.4, 200 mM NaCl, 50 % Glycerol, 1 mM EDTA, 0.5 mM DTT.
Molecular Mass	Approximately 16.1 kDa, a single non-glycosylated polypeptide chain containing 148 amino acids.
AA Sequence	MEEKVGNLKPNMESVNVTVRVLEASERQIQTKNGVRTISEAIVGDETGRVKLTLWG KHAGSIKEGQVVKIENAWTTAFKGQVQLNAGSKTKIAEASEDGFPESSQIPENTPTA PQQMRGGGRGFRGGGRRYGRRGGRRQENEEGEEE
Endotoxin	Less than 0.1 EU/g of rSSB as determined by LAL method.

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Purity >95% by SDS-PAGE and HPLC analyses.

Storage Use a manual defrost freezer and avoid repeated freeze-thaw cycles. 6 months from date of receipt, -20 to -70 centigrade as supplied. 3 months, -20 to -70 centigrade under sterile conditions after opening.

GENE INFORMATION

Gene Name [SSO_RS11500](#)

Official Symbol [SSO_RS11500](#)

Synonyms Single-stranded DNA Binding Protein; ssb

Gene ID [1453842](#)

Protein Refseq [WP_009989484.1](#)

UniProt ID [Q97W73](#)

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**SDS-PAGE of ssb-
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