

# Single-stranded DNA-binding protein



Datasheet, Version 2/2016

**protean**  
On the bow of top biotechnology

Catalog #	1266
Synonyms	SSB <i>Borrelia garinii</i>
Type	Recombinant
Source	<i>E. coli</i>
Species	<i>Borrelia garinii</i>
Tag	GST
Form	Liquid

Purity	>95% by SDS PAGE
Shipping	Ice pack

## Introduction

SSB protein binds to single-stranded regions of DNA to prevent premature annealing, to protect the single-stranded DNA from being digested by nucleases, and to remove secondary structure from the DNA to allow other enzymes to function effectively upon it.

## Description

Single-stranded DNA (ssDNA) is produced during all aspects of DNA metabolism: replication, recombination and repair. As well as stabilizing this single-stranded DNA, SSB proteins bind to and modulate the function of numerous proteins involved in all of these processes. SSB proteins have been identified in both viruses and organisms from bacteria to humans.

## Application

Functional Studies, Protein-protein interactions, Gel-shift assay, Pull-down assay, DNA binding and stabilization

## Purification method

Affinity chromatography

## Formulation

Liquid, does not contain glycerol. Protein conc. 100ug/ml.

## Specificity

Single stranded DNA or RNA

## Storage

-80C, aliquot to avoid repeated freezing and thawing.

**Analyte specific reagent (ASR) manufactured under ISO 13485.  
Country of origin: Czech Republic**

