# Single-stranded MA-binding protein

Datasheet, Version 2/2016

Catalog #	1266
Synonyms	SSB Borrelia garinii
Туре	Recombinant
Source	E. coli
Species	Borrelia garinii
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



protean

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