

Recombinant *Bacillus anthracis* SSB Protein Product Manual

1. Product Basic Information

Product No.: REP08346

Protein Name: Autoantigen La (SSB)

Aliases: La; SS-LARP3; La/SSB; autoantigen La; la autoantigen; SS-B/La protein; lupus La antigen; lupus La protein

UniProt ID: P05455

UniProt Link: <https://www.uniprot.org/uniprotkb/P05455/entry>

Species Source: *Bacillus anthracis*

Expression System: *E. coli*

Protein Length: Full Length (1-172aa)

Molecular Weight: 34.7kDa

Protein Tag: N-terminal 6xHis-SUMO-tagged

2. Amino Acid Sequence (1-172aa)

MNRVILVGRLTKDPLRYTPNGVAVATFTLAVNRAFANQQGEREADFNCVIWRKQ
AENVANYLKKGSLAGVDGRLQTRNYEGQDGKRVYVTEVLAESVQFLEPRNGGGE
QRGSFNQQPSGAGFGNQSSNPFQSSNSGNQGNQGNQNSGFTKNDDPFSSNVGQPI
DISDDDLPF

3. Storage Buffer

Liquid Delivery Form: Tris/PBS-based buffer with 5%-50% glycerol. Custom glycerol content is available upon customer request (please specify requirements when placing orders).

Lyophilized Powder Delivery Form: Pre-lyophilization buffer is Tris/PBS-based buffer containing 6% Trehalose.

4. Storage Conditions

Upon receipt, store the product at -20°C or -80°C. It is recommended to aliquot the protein for multiple uses to avoid repeated freeze-thaw cycles, which may cause



5. Product Description

This product is a recombinant *Bacillus anthracis* SSB full length protein (1-172aa) expressed in *E.coli*. The protein is with 6xHis-SUMO tag at the N-terminus, which facilitates protein purification, detection and identification. SSB, also known as La or SS-LARP3 or La/SSB, is suitable for related in vitro functional assays, protein interaction studies, antibody preparation and other biomedical research applications.

6. Notes

- Repeated freezing and thawing of the product is strictly prohibited to ensure protein stability and biological activity.
- For special buffer component requirements, please submit a note when purchasing.
- This product is only for scientific research use, not for clinical diagnosis, treatment or commercial production purposes.