

Recombinant *Streptococcus sobrinus* spaA Protein Product Manual

1. Product Basic Information

Product No.: REP08312

Protein Name: Surface Protective Antigen Adhesin Spaa (spaA)

Aliases: surface protective antigen adhesin SpaA

UniProt ID: P21979

UniProt Link: <https://www.uniprot.org/uniprotkb/P21979/entry>

Species Source: *Streptococcus downei* (*Streptococcus sobrinus*)

Expression System: *E. coli*

Protein Length: Partial (503-832aa)

Molecular Weight: 42.8 kDa

Protein Tag: C-terminal 6xHis-tagged

2. Amino Acid Sequence (503-832aa)

EKHKNEDGNLSEPSAQSLVYDLEPNAQVALVTDGKLLKASALDEAFSHDEKNYNNH
LLQPDNLNVTYLEQADDVASSVELFGNFGDKAGWTTTTSNGAEVKFASVLLKRGQ
SATATYTNLKNSYYNGKKISKVVYKYTVDPDSKFQNP TGNVWLGIFTDPTLGVFASA
YTGQNEKDT SIFIKNEFTFYDEDGNPIDFDNALLSVASLNREHNSIEMAKDYSGTFVK
ISGSSIGEKNGM IYATDTLNFKKGEGGSLHTMYTRASEPGSGWDSADAPNSWYGA
GAVRMSGPNNYITLGATSATNVLSLAEMPQVPGKDNTAGKKPNIWYSLN

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 protein denaturation and activity loss.

5. Product Description

This product is a recombinant *Streptococcus sobrinus* spaA partial protein (503-832aa) expressed in *E.coli*. The protein is with 6xHis tag at the C-terminus, which facilitates protein purification, detection and identification. spaA, also known as surface protective antigen adhesin SpaA, 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.