

## Staphylococcal Protein-A Cys Long Form Recombinant

<b>Item Number</b>	rAP-4596
<b>Synonyms</b>	Immunoglobulin G-binding protein A, IgG-binding protein A, Staphylococcal protein A, SPA.
<b>Description</b>	SPA-Cys long Recombinant produced in E.Coli is a single non-glycosylated polypeptide chain with a Cys on C-terminus. SPA-Cys is comprised of 5 IgG-binding domains E-D-A-B-C aligned in series containing 423 amino acids and having a molecular mass of 46.7kDa containing little or no carbohy-
<b>Uniprot Accession Number</b>	P38507
<b>Amino Acid Sequence</b>	AQHDEAQQNA FYQVLNMPNL NADQRNGFIQ SLKDDPSQSA NVLGEAQKLN DSQAPKADAQ QNNFNKDQQS AFYEILNMPN LNEAQRNGFI QSLKDDPSQS TNVLGEAKKL NESQAPKADN NFNKEQQNAF YEILNMPNLN EEQRNGFIQS LKDDPSQSAN LLSEAKKLINE SQAPKADNKF NKEQQNAFYE ILHLPNLNEE QRNGFIQSLK DDPSQSANLL AEAKKLNDQAQ APKADNKFNK EQQNAFYEIL HLPNLTEEQR NGFIQSLKDD PSVSKEILAE AKKLNDQAQAP KEEDNKKPGK EDGNKPGKED GNKPGKEDNK KPGKEDGNKP GKEDNNKPGK EDGNKPGKED NNKPGKEDGN
<b>Source</b>	Escherichia Coli.
<b>Physical Appearance and Stability</b>	Sterile Filtered White lyophilized (freeze-dried) powder. Lyophilized SPA although stable at room temperature for 3 weeks, should be stored desiccated below -18°C. Upon reconstitution SPA should be stored at 4°C between 2-7 days and for future use below -18°C. For long term storage it is recommended to add a carrier protein (0.1% HSA or BSA). Please prevent freeze-thaw cycles.
<b>Formulation and Purity</b>	SPA protein was lyophilized with no additives. Greater than 97.0% as determined by analysis by SDS-PAGE.
<b>Application</b>	
<b>Solubility</b>	It is recommended to reconstitute the lyophilized SPA in sterile 18MΩ-cm H2O not less than 0.1mg/ml, which can then be further diluted to other aqueous solutions.
<b>Biological Activity</b>	
<b>Shipping Format and Condition</b>	Lyophilized powder at room temperature.

Optimal dilutions should be determined by each laboratory for each application. The listed dilutions are for recommendation only and the final conditions should be optimized by the ender users! This product is sold for **Research Use Only**