Staphylococcal Protein-A Long Form Recombinant

Item Number	rAP-4598
Synonyms	Immunoglobulin G-binding protein A, IgG-binding protein A, Staphylococcal protein A, SPA.
Description	SPA Recombinant Long Form produced in E.Coli is a single non-glycosylated polypeptide chain. SPA Long Form is comprised of 5 IgG-binding domains E-D-A-B-C aligned in series containing 422 amino acids (including a.a 273-400 from acc# P99134) and having a molecular mass of 46.6kDa containing little or no
Uniprot Accesion Number	P38507
Amino Acid Sequence	AQHDEAQQNA FYQVLNMPNL NADQRNGFIQ SLKDDPSQSA NVLGEAQKLN DSQAPKADAQ QNNFNKDQQS AFYEILNMPN LNEAQRNGFI QSLKDDPSQS TNVLGEAKKL NESQAPKADN NFNKEQQNAF YEILNMPNLN EEQRNGFIQS LKDDPSQSAN LLSEAKKLNE SQAPKADNKF NKEQQNAFYE ILHLPNLNEE QRNGFIQSLK DDPSQSANLL AEAKKLNDAQ APKADNKFNK EQQNAFYEIL HLPNLTEEQR NGFIQSLKDD PSVSKEILAE AKKLNDAQAP KEEDNKKPGK EDGNKPGKED GNKPGKEDNK KPGKEDGNKP GKEDNNKPGK EDGNKPGKED NNKPGKEDGN
Source	Escherichia Coli.
Physical Appearance and Stability	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.
Formulation and Purity	SPA protein was lyophilized with no additives. Greater than 97.0% as determined by: (a) Analysis by HPLC.(b) Analysis by SDS-PAGE.
Application	
Solubility	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.
Biological Activity	
Shipping Format and Condition	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