

RPPB4795

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## Product Information    Protein Information

**Product SKU:**

RPPB4795

**Accession:**

P38507

**Host:**

Escherichia Coli.

**Protein 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 carbohydrate.

**Appearance:**

Sterile Filtered White lyophilized (freeze-dried) powder.

**Synonyms:**

Immunoglobulin G-binding protein A, IgG-binding protein A, Staphylococcal protein A, SPA.

**Formulation:**

SPA protein was lyophilized with no additives.

**Purity:**

Greater than 97.0% as determined by: (a) Analysis by HPLC.(b) Analysis by SDS-PAGE.

**Solubility:**

It is recommended to reconstitute the lyophilized SPA in sterile 18MΩ-cm H<sub>2</sub>O not less than 0.1mg/ml, which can then be further diluted to other aqueous solutions.

**Stability:**

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.

**Amino Acid Sequence:**

AQHDEAQQNA FYQVLNMPNL NADQRNGFIQ SLKDDPSQSA NVLGEAQKLN DSQAPKADAQ  
QNNFNKDQQS AFYEILNMPN LNEAQRNGFI QSLKDDPSQS TNVLGEAKKL NESQAPKADN NFNKEQQNAF  
YEILNMPNLN EEQRNGFIQS LKDDPSQSAN LLSEAKKLINE SQAPKADNKF NKEQQNAFYE ILHLPNLNEE  
QRNGFIQSLK DDPSQSANLL AEAKKLNDAAQ APKADNKFNK EQQNAFYEIL HLPNLTEEQR NGFIQSLKDD  
PSVSKEILAE AKKLNDAAQAP KEEDNKKPGK EDGNKPGKED GNKPGKEDNK KPGKEDGNKP GKEDNNKPGK  
EDGNKPGKED NNKPGKEDGN KPGKEDGNKP GKEDGNGVHV VKPGDVTNDI AKANGTTADK IAADNKLADK  
NMIKPGQELV VD.