

SPA 33.4kDa Recombinant Protein



RPPB4790

Product Information Protein Information

Product SKU:

RPPB4790

Accession:

P38507

Host:

Escherichia Coli.

Protein description:

SPA Recombinant produced in E.Coli is a homodimeric non-glycosylated polypeptide chains comprised of 5 IgG-binding domains E-D-A-B-C aligned in series containing 296 amino acids and having a molecular mass of 33.4kDa containing little or no carbohydrate. Cell wall binding region, cell membrane binding region and albumin binding region were removed to ensure the highest specific IgG binding.

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 H₂O 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:

NAAQHDEAQQ NAFYQVLNMP NLNADQRNGF IQSLKDDPSQ SANVLGAEQK LNSQAPKAD
AQQNNFNKDQ QSAFYEILNM PNLNEAQRNG FIQSLKDDPS QSTNVLGAEK KLNESQAPKA DNNFNKEQQN
AFYEILNMPN LNEEQRNGFI QSLKDDPSQS ANLLSEAKKL NESQAPKADN KFNKEQQNAF YEILHLPNLN
EEQRNGFIQS LKDDPSQSAN LLAEAKLND AQAPKADNKF NKEQQNAFYE ILHLPNLTEE QRNGFIQSLK
DDPSVSKEIL AEAKKLND AQAPKEED.