

RPPB4794

Product Information Protein Information

Product SKU:

RPPB4794

Accession:

P38507

Host:

Escherichia Coli.

Protein description:

SPA Recombinant produced in E.Coli is a single non-glycosylated polypeptide chain fused with 6×His tag at C-terminus. SPA is comprised of 5 IgG-binding domains E-D-A-B-C aligned in series containing 306 amino acids and having a molecular mass of 34.7kDa 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:

MNAAQHDEAQ QNAFYQVLNM PNLNADQRNG FIQSLKDDPS QSANVLGEAQ KLNDSQAPKA
DAQQNNFNKD QQSAFYEILN MPNLNEAQRN GFQSLKDDP SQSTNVLGEA KKLNESQAPK ADNNFNKEQQ
NAFYEILNMP NLNEEQRNGF IQSLKDDPSQ SANLLSEAKK LNESQAPKAD NKFNKEQQNA FYEILHLPNL
NEEQRNGFIQ SLKDDPSQSA NLLAEAKKLN DAQAPKADNK FNKEQQNAFY EILHLPNLTE EQRNGFIQSL
KDDPSVSKEI LAEAKKLND A QAPKEEDSLE HHHHHH.