

RPPB4792

Product Information Protein Information

Product SKU:

RPPB4792

Accession:

P38507

Host:

Escherichia Coli.

Protein description:

SPA-Cys His Recombinant produced in E.Coli is a single non-glycosylated polypeptide chain with 6×His-tag and a Cys on C-terminus. SPA-Cys His is comprised of 5 IgG-binding domains E-D-A-B-C aligned in series containing 307 amino acids and having a molecular mass of 34.8kDa 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 96.0% as determined by: (a) Analysis by RP-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 QSANVLGDAQ KLNDSQAPKA
DAQQNNFNKD QSAFYEILN MPNLNEAQRN GFQSLKDDP SQSTNVLGEA KKLNESQAPK ADNNFNKEQQ
NAFYEILNMP NLNEEQRNGF IQSLKDDPSQ SANLLSEAKK LNESQAPKAD NKFNKEQQNA FYEILHLPNL
NEEQRNGFIQ SLKDDPSQSA NLLAEAKKLN DAQAPKADNK FNKEQQNAFY EILHLPNLTE EQRNGFIQSL
KDDPSVSKEI LAEAKKLNDA QAPKEEDSLE HHHHHHC