

SPA-Cys Long Recombinant Protein



RPPB4793

Product Information Protein Information

Product SKU:

RPPB4793

Accession:

P38507

Host:

Escherichia Coli.

Protein description:

SPA-Cys long Recombinant produced in E.Coli is a single non-glycosylated polypeptide chain with a Cys on C-terminus. SPA-Cys is comprised of 5 IgG-binding domains E-D-A-B-C aligned in series containing 423 amino acids and having a molecular mass of 46.7kDa 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 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:

AQHDEAAQQNA FYQVLNMPNL NADQRNGFIQ SLKDDPSQSA NVLGEAQKLN DSQAPKADAQ
QNNFNKQQQS AFYEILNMPN LNEAQRNGFI QSLKDDPSQS TNVLGEAKKL NESQAPKADN NFNKEQQNAF
YEILNMPNLN EEQRNGFIQS LKDDPSQSAN LLSEAKKLINE SQAPKADNKF NKEQQNAFYE ILHLPNLNEE
QRNGFIQSLK DDPSQSANLL AEAKKLNDQA APKADNKFNK EQQNAFYEIL HLPNLTEEQR NGFIQSLKDD
PSVSKEILAE AKKLNDQAAP KEEDNKKPGK EDGNKPGKED GNKPGKEDNK KPGKEDGNKP GKEDNNKPGK
EDGNKPGKED NNKPGKEDGN KPGKEDGNKP GKEDGNGVHV VKPGDVTNDI AKANGTTADK IAADNKLADK
NMIKPGQELV VDC