

RPPB4303

Product Information Protein Information

Product SKU:

RPPB4303

Host:

Escherichia Coli.

Protein description:

Protein-A/G Recombinant produced in E.Coli is a single non-glycosylated polypeptide chain fused with a 6×His tag at C-terminus. Protein-A/G is comprised of 5 IgG-binding regions of protein A (E-D-A-B-C) and 3 of protein G (C1-C2-C3) containing 513 amino acids in total and having a molecular mass of 56.9kDa. Cell wall binding region, cell membrane binding region and albumin binding region have been eliminated from the recombinant Protein A/G to guarantee the maximum specific IgG binding.

Appearance:

Sterile Filtered White lyophilized (freeze-dried) powder.

Formulation:

Protein-A/G was lyophilized without any 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 Protein-A/G in sterile 18M-cm H₂O not less than 0.1mg/ml, which can then be further diluted to other aqueous solutions.

Stability:

Lyophilized Protein-A/G although stable at room temperature for 3 weeks, should be stored desiccated below -18°C. Upon reconstitution Protein-A/G 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 FQSLKDDPS QSANVLGEAQ KLNDSQAPKA
DAQQNNFNKD QQSAYEILN MPNLNEAQRN GFIQSLKDDP SQSTNVLGEA KKLNESQAPK ADNNFNKEQQ
NAFYEILNMP NLNEEQRNGF IQSLKDDPSQ SANLLSEAKK LNESQAPKAD NKFNEQQNA FYEILHLPNL
NEEQRNGFIQ SLKDDPSQSA NLLAEAKKLN DAQAPKADNK FNKEQQNAFY EILHLPNLTE EQRNGFIQSL
KDDPSVSKEI LAEAKKLND AQPKEEDSLE GSGSGTYKLI LNGKTLKGET TTEAVDAATA EKVFQYAND
NGVDGEWYD DATKTFTVTE KPEVIDASEL TPAVTYKLV INGKTLKGET TTEAVDAATA EKVFQYAND
NGVDGEWYD DATKTFTVTE KPEVIDASEL TPAVTYKLV INGKTLKGET TTKAVDAETA EKAFQYAND
NGVDGVWYD DATKTFTVTE KLAALAEHHH HHH.