

Protein Cys-A/G Recombinant

Item Number	rAP-4601
Synonyms	
Description	Protein-A/G Recombinant produced in E.Coli is a single non-glycosylated polypeptide chain fused with a Cys at N-terminus. Protein-A/G is comprised of 5 IgG-binding regions of protein A (E-D-A-B-C) and 2 of protein G (C1-C3) containing 430 amino acids in total and having a molecular mass of 47.8kDa. Cell wall
Uniprot Accesion Number	
Amino Acid Sequence	CNAAQHDEAQ QNAFYQVLNM PNLNADQRNG FIQSLKDDPS QSANVLGEAQ KLNDSQAPKA DAQQNNFNKD QQSAFYEILN MPNLNEAQRN GFIQSLKDDP SQSTNVLGEA KKLNESQAPK ADNNFNKEQQ NAFYEILNMP NLNEEQRNGF IQSLKDDPSQ SANLLSEAKK LNESQAPKAD NKFNKEQQNA FYEILHLPNL NEEQRNGFIQ SLKDDPSQSA NLLAEAKKLN DAQAPKADNK FNKEQQNAFY EILHLPNLTE EQRNGFIQSL KDDPSVSKEI LAEAKKLND AQPKEEDSLE GSGSGTYKLI LNGKTLKGET TTEAVDAATA EKVFKQYAND NGVDGEWTYD DATKTFTVTE KPEVIDASEL
Source	Escherichia Coli.
Physical Appearance and Stability	Sterile Filtered White lyophilized (freeze-dried) powder. 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).
Formulation and Purity	Protein-A/G was lyophilized without any additives. Greater than 96.0% as determined by: (a) Analysis by RP-HPLC.(b) Analysis by SDS-PAGE.
Application	
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.
Biological Activity	
Shipping Format and Condition	Lyophilized powder at room temperature.

Optimal dilutions should be determined by each laboratory for each application. The listed dilutions are for recommendation only and the final conditions should be optimized by the ender users! This product is sold for **Research Use Only**