

Protein A/G Recombinant, His Tag

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| Item Number | rAP-4599 |
| Synonyms | |
| 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 |
| Uniprot Accession Number | |
| Amino Acid Sequence | MNAAQHDEAQ 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 A QAPKEEDSLE 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**