

Cys-Protein G Recombinant

Item Number rAP-4591

Synonyms

Description Cys-Protein G Recombinant produced in E.Coli is a 196 amino acids protein which contains amino acid 190-384 of the Streptococcus sp and a Cysteine residue at the N-terminus, has a predicted molecular mass of approximately 22.5kDa. But it migrates with an apparent molecular mass of 32kDa in SDS-PAGE. The Pro-

Uniprot Accession Number

Amino Acid Sequence

Source Escherichia Coli.

Physical Appearance and Stability Sterile Filtered White lyophilized (freeze-dried) powder. Lyophilized Protein G although stable at room temperature for 3 weeks, should be stored desiccated below -18°C. Upon reconstitution Protein G should be stored at 4°C between 2-7 days and for future use below -18°C. Please prevent freeze-thaw cycles.

Formulation and Purity Lyophilized without any additives. Greater than 95.0% as determined by SDS-PAGE and HPLC analyses.

Application

Solubility It is recommended to reconstitute the lyophilized Protein G in sterile 18M-cm H₂O not less than 100µg/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**