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32-4932: Recombinant Staphylococcal Protein A 434 a.a

Alternative Name : Immunoglobulin G-binding protein A,IgG-binding protein A,Staphylococcal protein A,SPA.

Description

Source : Escherichia Coli. Recombinant Staphylococcal Protein A produced in E.Coli is a non-glycosylated, Polypeptide chain containing 434 amino acids (37-469 a.a.) and having a molecular mass of 48.1 kDa. Recombinant Staphylococcal Protein A is purified by proprietary chromatographic techniques. Protein A is a cell wall protein deriving from Staphylococcus aureus which exhibits unique binding properties for IgG from a variety of mammalian species and for some IgM and IgA as well. It binds with the Fc region of immunoglobulins through interaction with the heavy chain. It couples to a wide variety of reporter molecules including fluorescent dyes, enzyme markers, biotin, colloidal gold and radioactive iodine without affecting the antibody binding site. Recombinant Protein A was developed to increase the specificity of the molecule for IgG and is widely used both in research and bioprocessing. The recombinant protein A is produced by expressing a modified protein A gene in E.coli. A specific purification process with strict quality control was taken to get the recombinant protein A with the purity of more than 98% , no human IgG affinity step is used during validated fermentation and purification and devoid of bacterial contaminant found normally in native Protein A. (Free of Staphylococcus endotoxins and hemolysin).

Product Info

Amount :	50 µg
Purification :	of more than 98% , no human IgG affinity step is used during validated fermentation and purification and devoid of bacterial contaminant found normally in native Protein A. (Free of Staphylococcus endotoxins and hemolysin).
Content :	Greater than 90.0% as determined by SDS-PAGE.
Storage condition :	Store at 4°C if entire vial will be used within 2-4 weeks. Store, frozen at -20°C for longer periods of time. For long term storage it is recommended to add a carrier protein (0.1% HSA or BSA).Avoid multiple freeze-thaw cycles.
Amino Acid :	MAQHDEAQQN AFYQVLNMPN LNADQRNGFI QSLKDDPSQS ANVLGEAQKL NDSQAPKADA QQNNFNKDQQ SAFYEILNMP NLNEAQRNGFIQSLKDDPSQ STNVLGEAKK LNESQAPKAD NNFNKEQQNA FYEILNMPNL NEEQRNGFIQ SLKDDPSQSA NLLSEAKKLN ESQAPKADNKFNKEQQNAFY EILHLPNLNE EQRNGFIQSL KDDPSQSANL LAEAKKLNDA QAPKADNKFN KEQQNAFYEI LHLPNLTEEQ RNGFIQSLKDDPSVSKEILA EAKKLNDAQA PKEEDNNKPG KEDNNKPGKE DNNKPGKEDG NKPGKEDNKK PGKEDNKKPG KEDNKKPGKE DGNKPGKEDNKKPGKEDGNG VHVVKPGDTV NDIAKANGTT ADKIAADNKL ADKNMIKPGQ ELVVDKKQPA NHADANKAQA LPET.