## **w** abeomics

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

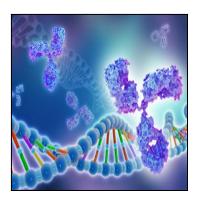
Alternative Name : Immunoglobulin G-binding protein A,IgG-binding protein A,Staphylococcal protein A,SPA.

## 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 $\mu$ g   |
|---------------------|--|
| 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<br>QQNNFNKDQQ SAFYEILNMP NLNEAQRNGFIQSLKDDPSQ STNVLGEAKK LNESQAPKAD<br>NNFNKEQQNA FYEILNMPNL NEEQRNGFIQ SLKDDPSQSA NLLSEAKKLN ESQAPKADNKFNKEQQNAFY<br>EILHLPNLNE EQRNGFIQSL KDDPSQSANL LAEAKKLNDA QAPKADNKFN KEQQNAFYEI LHLPNLTEEQ<br>RNGFIQSLKDDPSVSKEILA EAKKLNDAQA PKEEDNNKPG KEDNNKPGKE DNNKPGKEDG NKPGKEDNKK<br>PGKEDNKKPG KEDNKKPGKE DGNKPGKEDNKKPGKEDGNG VHVVKPGDTV NDIAKANGTT<br>ADKIAADNKL ADKNMIKPGQ ELVVDKKQPA NHADANKAQA LPET. |



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