

## Protein A Recombinant Protein

Protein A, 37-469aa, S.aureus, E Coli

|                              |                       |                                 |
|------------------------------|-----------------------|---------------------------------|
| CATALOG #<br><b>AAA48530</b> | HOST<br><b>E Coli</b> | APPLICATIONS<br><b>SDS-Page</b> |
|------------------------------|-----------------------|---------------------------------|

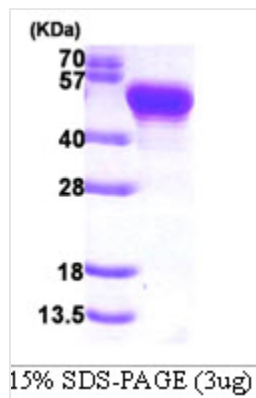
### PRODUCT SYNONYMS

Protein A; 37-469aa; S.aureus; E Coli; Immunoglobulin G binding protein A; Immunoglobulin G binding protein A Staphylococcal protein A; SPA; ; Protein A recombinant protein

### PRODUCT SPECIFICATIONS

|                                                           |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |
|-----------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Host                                                      | E Coli                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |
| Purity/Purification                                       | > 90% by SDS-PAGE                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |
| Form/Format                                               | Liquid. In 20 mM Tris-HCl Buffer (pH 8.0) containing 10% glycerol,                                                                                                                                                                                                                                                                                                                                                                                                                             |
| Concentration                                             | 1mg/ml (determined by BCA assay) (varies by lot)                                                                                                                                                                                                                                                                                                                                                                                                                                               |
| Sequence                                                  | MAQHDEAQQN AFYQVLNMPN LNADQRNGFI QSLKDDPSQS ANVLGEAQKL NDSQAPKADA QQNNFNKDQQ SAFYEILNMP NLNEAQRNGF IQSLKDDPSQ STNVLGEAKK LNESQAPKAD NNFNKEQQNA FYEILNMPNL NEEQRNGFIQ SLKDDPSQSA NLLSEAKKLN ESQAPKADNK FNKEQQNAFY EILHLPNLNE EQRNGFIQSL KDDPSQSANL LAEAKKLND A QAPKADNKFN KEQQNAFYEI LHLPLNLT EEQ RNFQISLKD DPSVSKEILA EAKKLND AQA PKEEDNNKPG KEDNNKPGKE DNNKPGKEDG NKPGKEDNKK PGKEDNKKPG KEDNKKPGKE DGNKPGKEDN KPGKEDGNG VHVVKPGDTV NDIKANGTT ADKIAADNKL ADKNMIKPGQ ELVVDKKQPA NHADANKAQA LPET |
| Sequence Length                                           | 500                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |
| Applicable Applications for Protein A recombinant protein | SDS-PAGE                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |
| Tag                                                       | Non-Tagged                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |
| Endotoxin Level                                           | < 1.0 EU per 1ug protein (determined by LAL method).                                                                                                                                                                                                                                                                                                                                                                                                                                           |
| Preparation and Storage                                   | Can be stored at 2-8°C for 1 week. For long term storage, aliquot and store at -20°C to -80°C. Avoid repeated freezing & thawing cycles.                                                                                                                                                                                                                                                                                                                                                       |

### IMAGES



#### SDS-PAGE

3ug by SDS-PAGE under reducing condition and visualized by coomassie blue stain.

ADDITIONAL INFORMATION

|                                                               |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |
|---------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Related Product Information for Protein A recombinant protein | Protein A is a 40-60 kDa surface protein originally found in the cell wall of the bacteria Staphylococcus aureus. It binds with high affinity to human IgG1 and IgG2 as well as mouse IgG2a and IgG2b. Protein A binds with moderate affinity to human IgM, IgA and IgE as well as to mouse IgG3 and IgG1. Due to its affinity for the Fc region of many mammalian immunoglobulins, protein A is considered a universal reagent in biochemistry and immunology. Recombinant Staphylococcus aureus Protein A was expressed in E Coli and purified by using conventional chromatography. |
| Product Categories/Family for Protein A recombinant protein   | Immunology                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |
| References                                                    | Guirnalda P., et al. (2007) Int J Parasitol. 37 (12):1391-9.; Volpers C., et al. (2003) J Virol. 77 (3):2093-104.;                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |

NCBI AND UNIPROT INFORMATION

|                         |                                           |
|-------------------------|-------------------------------------------|
| NCBI GI #               | 189169989                                 |
| Molecular Weight        | 48.1 kDa (434aa), confirmed by MALDI-TOF. |
| NCBI Official Full Name | immunoglobulin G binding protein A        |
| UniProt Protein Name    | Immunoglobulin G binding protein A        |

**For Research Use Only.** Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

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Online datasheet: <https://stage.aaabiotech.com/protein-a-recombinant-protein-e-coli-sds-page/48530>