

# Recombinant Staphylococcus aureus Protein A protein, His-tagged

**Cat. No.** Protein A-3149S    **Lot. No.** (See product label)

## SPECIFICATION

<b>Product Overview</b>	Recombinant Staphylococcus aureus Protein A protein(P02976), fused with C-terminal His tag, was expressed in E.coli.
<b>Species</b>	Staphylococcus aureus
<b>Source</b>	E.coli
<b>Form</b>	Lyophilized from additive free solution.
<b>Specificity</b>	The recombinant Protein A is a genetically engineered protein containing 5 IgG-binding regions of protein A. Cell wall binding region, cell membrane binding region and albumin binding region have been removed from the recombinant Protein A to ensure the maximum specific IgG binding. The recombinant Protein A is ideal for purification of polyclonal or monoclonal IgG antibodies. Protein A binds to various human, mouse and rat IgG subclasses (e.g., human IgG1, IgG2, IgG4; mouse IgG2a, IgG2b, IgG3; rat IgG2c). It also binds to total IgG from rabbit, guinea pig, pig, dog and cat.
<b>Molecular Mass</b>	Approximately 34.8 kDa with 6xHis-tag and a Cys on C-terminus, a single non-glycosylated polypeptide chain containing 307 amino acids.
<b>AASequence</b>	MNAAQHDEAQ QNAFYQVLNM PNLNADQRNG FIQSLKDDPS QSANVLGGEAQ KLNDSQAPKA DAQQNNFNKD QQSAFYEILN MPNLNEAQRN GFIQSLKDDP SQSTNVLGGEA KKLNESQAPK ADNNFNKEQQ NAFYEILNMP NLNEEQRNGF

 Tel: 1-631-559-9269    1-516-512-3133

 Email: [info@creative-biomart.com](mailto:info@creative-biomart.com)     Fax: 1-631-938-8127

 45-1 Ramsey Road, Shirley, NY 11967, USA



IQSLKDDPSQ SANLLSEAKK LNESQAPKAD NKFNKEQQNA FYEILHLPNL  
NEEQRNGFIQ SLKDDPSQSA NLLAEAKKLN DAQAPKADNK FNKEQQNAFY  
EILHLPNLTE EQRNGFIQSL KDDPSVSKEI LAEAKKLNDA QAPKEEDSLE  
HHHHHHC

**Endotoxin** Less than 0.1 EU/μg of Protein A-Cys, His as determined by LAL method.

**Purity** > 96 % by SDS-PAGE and RP-HPLC analyses.

**Storage** Use a manual defrost freezer and avoid repeated freeze-thaw cycles. - 12 months from date of receipt, -20 to -70 °C as supplied. - 1 month, 2 to 8 °C under sterile conditions after reconstitution. - 3 months, -20 to -70 °C under sterile conditions after reconstitution.

**Concentration** 4.589 mg/ml

**Reconstitution** Dissolve in distilled water or saline.

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