

Recombinant Staphylococcus aureus Protein A protein, His-tagged

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

SPECIFICATION

Product Overview	Recombinant Staphylococcus aureus Protein A protein(P02976), fused with C-terminal His tag, was expressed in E.coli.
Species	Staphylococcus aureus
Source	E.coli
Form	Lyophilized from additive free solution.
Specificity	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.
Molecular Mass	Approximately 34.8 kDa with 6×His-tag and a Cys on C-terminus, a single non-glycosylated polypeptide chain containing 307 amino acids.
AASequence	MNAAQHDEAQ QNAFYQVLNM PNLNADQRNG FIQSLKDDPS QSANVLGEAQ KLNDSQAPKA DAQQNNFNKD QQSAFYEILN MPNLNEAQRN GFIQSLKDDP SQSTNVLGEA KKLNESQAPK ADNNFNKEQQ NAFYEILNMP NLNEEQRNGF

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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.

SDS-PAGE

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