

Recombinant Staphylococcal Protein A(Long Form)

Cat. No. COP32 Lot. No. (See product label)

SPECIFICATION

Product Overview	Recombinant Staphylococcal Protein A(Long Form)(P02976) was expressed in E.coli.
Species	Staphylococcus
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. 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 46.7 kDa with a Cys on C-terminus, a single non-glycosylated polypeptide chain containing 423 amino acids.
AASequence	AQHDEAQQNA FYQVLNMPNL NADQRNGFIQ SLKDDPSQSA NVLGEAQKLN DSQAPKADAQ QNNFNKDQQS AFYEILNMPN LNEAQRNGFI QSLKDDPSQS TNVLGEAKKL NESQAPKADN NFNKEQQNAF YEILNMPNLN EEQRNGFIQS LKDDPSQSAN LLSEAKKLN SQAPKADNKF NKEQQNAFYE ILHLPNLNEE QRNGFIQSLK DDPSQSANLL AEAKKLND AQAPKADNKFNK EQQNAFYEIL HLPNLTEEQR NGFIQSLKDD PSVSKEILAE AKKLND AQAP KEEDNKKPGK EDGNKPGKED GNKPGKEDNK KPGKEDGNKP GKEDNNKPGK EDGNKPGKED NNKPGKEDGN KPGKEDGNKP GKEDGNVHV VKPGDVTNDI AKANGTTADK

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

 Email: info@creative-biomart.com  Fax: 1-631-938-8127

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

	IAADNKLADK NMIKPGQELV VDC
Endotoxin	Less than 0.1 EU/μg of Protein A-Cys, Long Form as determined by LAL method.
Purity	> 97 % by SDS-PAGE analysis.
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	6.17 mg/ml
Reconstitution	Dissolve in distilled water or saline.
SDS-PAGE	

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