

# Product Datasheet

## Recombinant Protein A/G Protein NBP2-34968

Unit Size: 1 mg

Store at -20 to -70C as supplied. After reconstitution, store at 2 to 8C for 1 month and at -20 to -70C for long term storage. Avoid repeated freeze-thaw cycles.

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**NBP2-34968**

Recombinant Protein A/G Protein

Product Information	
Unit Size	1 mg
Concentration	Lyoph
Storage	Store at -20 to -70C as supplied. After reconstitution, store at 2 to 8C for 1 month and at -20 to -70C for long term storage. Avoid repeated freeze-thaw cycles.
Preservative	No Preservative
Reconstitution Instructions	Dissolve in distilled water or saline.
Purity	> 97 % pure by SDS-PAGE and HPLC
Buffer	Lyophilized from additive free solution.
Target Molecular Weight	47.7 kDa

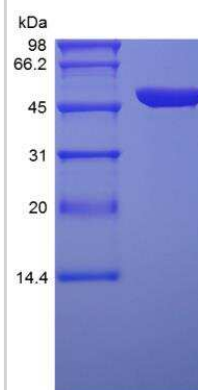
Product Description	
Description	<p>A single non-glycosylated polypeptide chain containing 429 amino acids corresponding to Protein A/G <b>Source:</b> <i>E. coli</i></p> <p><b>Amino Acid Sequence:</b> NAAQHDEAQQ NAFYQVLNMP NLNADQRNGF IQSLKDDPSQ SANVLGEAQK LNDSPAPKAD AQQNNFNKDQ QSAFYEILNM PNLNEAQRNG FIQSLKDDPS QSTNVLGEAK KLNESQAPKA DNNFNKEQQN AFYEILNMPN LNEEQRNGFI QSLKDDPSQS ANLLSEAKKL NESQAPKADN KFNKEQQNAF YEILHLPNLN EEQRNGFIQS LKDDPSQSAN LLAEAKKLND AQAPKADNKF NKEQQNAFYE ILHLPNLTEE QRNGFIQSLK DDPSVSKEIL AEAKKLNDAA APKEEDSLEG SGSGTYKLIL NGKTLKGETT TEAVDAATAE KVFKQYANDN GVDGEWYDD ATKFTVTEK PEVIDASELT PAVTTYKLVI NGKTLKGETT TKAVDAETA E KAFKQYANDN GVDGVWYDD ATKFTVTE</p>
Specificity/Sensitivity	Protein A/G binds to various human, mouse and rat IgG subclasses (e.g., human IgG1, IgG2, IgG3, IgG4; mouse IgG2a, IgG2b, IgG3; rat IgG2a, IgG2c). It also binds to total IgG from cow, goat, sheep, house, rabbit, guinea pig, pig, dog and cat.
Details of Functionality	Protein A/G is a genetically engineered protein containing 5 IgG-binding regions of protein A and 2 of protein G. Cell wall binding region, cell membrane binding region and albumin binding region have been removed from Protein A/G to ensure the maximum specific IgG binding. Protein A/G is ideal for purification of polyclonal or monoclonal IgG antibodies. It binds to various human, mouse and rat IgG subclasses. It also binds to total IgG from cow, goat, sheep, house, rabbit, guinea pig, pig, dog and cat.
Endotoxin Note	Less than 0.1 EU/ug of Protein A/G as determined by LAL method.

Product Application Details	
Applications	SDS-Page, Bioactivity
Recommended Dilutions	SDS-Page, Bioactivity



## Images

SDS-Page: Protein A/G Protein [NBP2-34968]





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NBP2-34999	Recombinant Protein A/G Cys (C-Term) Protein
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### **Limitations**

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