

Product datasheet for **AR09184PU-N**

Staphylococcal protein A (37-469) Staphylococcus aureus Protein

Product data:

Product Type:	Recombinant Proteins
Description:	Staphylococcal protein A (37-469) s. aureus recombinant protein, 0.1 mg
Species:	Staphylococcus aureus
Expression Host:	E. coli
Expression cDNA Clone or AA Sequence:	MAQHDEAQQN AFYQVLNMPN LNADQRNGFI QSLKDDPSQS ANVLGEAQKL NDSQAPKADA QQNNFNKDQQ SAFYEILNMP NLNEAQRNGF IQSLKDDPSQ STNVLGEAKK LNESQAPKAD NNFNKEQQNA FYEILNMPNL NEEQRNGFIQ SLKDDPSQSA NLLSEAKKLN ESQAPKADNK FNKEQQNAFY EILHLPNLNE EQRNGFIQSL KDDPSQSANL LAEAKKLNDA QAPKADNKFN KEQQNAFYEI LHLPNLTEEQ RNGFIQSLKD DPSVSKEILA EAKKLNDAQA PKEEDNNKPG KEDNNKPGKE DNNKPGKEDG NKPGKEDNKK PGKEDNKKPG KEDNKKPGKE DGNKPGKEDN KKPGKEDGNG VHVVKPGDTV NDIKANGTT ADKIAADNKL ADKNMIKPGQ ELVVDKKQPA NHADANKAQA LPET
Predicted MW:	48.1 kDa
Concentration:	lot specific
Purity:	>90% by SDS - PAGE
Buffer:	Presentation State: Purified State: Liquid purified protein Buffer System: 20 mM Tris-HCl buffer (pH 8.0) containing 10% glycerol
Endotoxin:	< 1.0 EU per 1 µg of protein (determined by LAL method)
Preparation:	Liquid purified protein
Protein Description:	Recombinant Staphylococcus aureus Protein A was expressed in E.coli and purified by using conventional chromatography.
Storage:	Store undiluted at 2-8°C for up to two weeks or (in aliquots) at -20°C or -70°C for longer. Avoid repeated freezing and thawing.
Stability:	Shelf life: one year from despatch.
Synonyms:	Staphylococcus aureus IgG-binding protein A, spa, S. aureus



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Summary:

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.

Product images: