

## Recombinant Protein A

**Product Number: RPA003**

### Shipping and Storage

Freeze dried powder  $-20\pm 5^{\circ}\text{C}$ , avoid repeated freeze-thaw after dissolution.

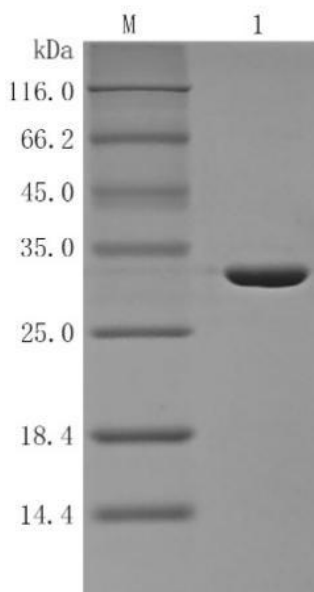
### Components

Component	RPA003-1	RPA003-2	RPA003-3	RPA003-4
Recombinant Protein A	1mg	10mg	100mg	500mg

### Description

Protein A is a cell wall protein secreted by *Staphylococcus aureus*, also known as Staphylococcal Protein A (SPA). The natural protein A is mainly composed of three functional regions: signal peptide, 5 antibody binding domains, and cell wall peptidoglycan binding domain. The most studied and applied are the 5 antibody binding domains with antibody binding function. Recombinant protein A selects the antibody binding domain (E-D-A-B-C) from natural protein A for genetic engineering recombinant expression, which has the complete antibody binding function of natural protein A.

Name	Recombinant Protein A, rProtein A
Source	<i>E. coli</i>
Molecular weight	34.0kDa
Isoelectric point	5.17
Purity	$\geq 95\%$ (SDS-PAGE)
$A_{280\text{nm}}(1\text{mg/mL})$	0.219
Form	Freeze drying agent, solution before freeze-drying is 5mM PB, pH 7.4
Solubility	Dissolve $\geq 10\text{mg/mL}$ in distilled water
Storage	Freeze dried powder $-20\pm 5^{\circ}\text{C}$ , avoid repeated freeze-thaw after dissolution
Validity period	Three years
Transport	Room temperature or low temperature



M: Protein molecular weight standard

1: Recombinant Protein A

**For Research Use Only**



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