

## Recombinant Protein G

**Product Number: RPG004**

### Shipping and Storage

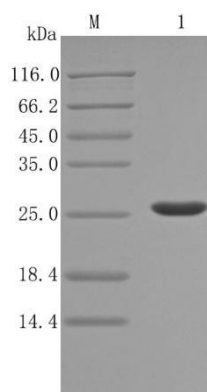
Freeze dried powder  $-20 \pm 5^{\circ}\text{C}$ , avoid repeated freeze-thaw cycles after dissolution.

### Component

Component	RPG004-1	RPG004-2	RPG004-3	RPG004-4	RPG004-5
Recombinant Protein G	1mg	10mg	100mg	500mg	1g

### Description

Protein G is a cell wall protein of Streptococcus that can bind to human and various animal antibodies, also known as Streptococcus protein G (SPG). Protein G can bind to all subtypes of IgG in humans, mice, and rats, as well as total IgG in species such as rabbits, sheep, cows, horses, and pigs. Recombinant protein G selects the antibody binding domain (C1-C2-C3) from natural protein G for genetic engineering recombinant expression, which has the complete antibody binding function of natural protein G.



M: Protein molecular weight standard

1: Recombinant protein G

### Specification

1. **Source:** Escherichia coli
2. **Molecular weight:** 22.4kDa
3. **Isoelectric point:** 4.74
4. **Purity:**  $\geq 95\%$  (SDS-PAGE)
5. **A<sub>280nm</sub>(1mg/mL):** 1.334
6. **Morphological:** freeze-drying agent, the solution before freeze-drying is 5mM PB, pH 7.4
7. **Dissolve:**  $\geq 10\text{mg/mL}$  with distilled water for solubility