

Protein G recombinant protein**Protein G****Catalog # PBV10727r****Specification**

Protein G recombinant protein - Product info

Primary Accession

[CAA27638](#)

Calculated MW

26.1 kDa KDa**Protein G recombinant protein - Additional Info****Other Names**

Protein G

Gene Source

Streptococcus sp

Source

E. coli

Assay&Purity

SDS-PAGE; ≥98%

Assay2&Purity2

HPLC; ≥98%

Recombinant

Yes**Application Notes**Reconstitution in H₂O to a concentration of 5 mg/ml gives a clear solution.**Format**

Lyophilized

Storage

-20°C; Lyophilized with no additives

Protein G recombinant protein - Protocols

Provided below are standard protocols that you may find useful for product applications.

- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)
- [Immunohistochemistry](#)
- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [Cell Culture](#)

Protein G recombinant protein - Images**Protein G recombinant protein - Background**

Protein G binds to the constant region of many species of immunoglobulin G. Protein G can be used to detect, quantify and purify IgG antibodies and antibody/antigen complexes. BioVision's Recombinant Protein G contains only IgG binding domains. The albumin-binding domain as well as cell wall and cell membrane binding domains have been removed to ensure the maximum specific

IgG binding capacity. The 6-His-tag on N-terminus can be used for affinity purification or protein G detection using anti-His-tag antibodies.

Protein G binds to all IgG subclasses from human, mouse and rat species. It also binds to total IgG from guinea pig, rabbit, goat, cow, sheep, and horse.