

Recombinant Streptococcal RPG, His-tagged, Biotinylated

Cat. No. RPG-263S **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Biotinylated Protein G (Biotinylated Protein G) was labeled with biotin based on Protein G Protein, which was produced in E.coli cells.
Species	Streptococcus
Source	E.coli
Description	Protein G is an immunoglobulin-binding protein expressed in group C and G Streptococcal bacteria much like Protein A but with differing specificities. It is a 65-kDa (G148 protein G) and a 58 kDa (C40 protein G) cell surface protein that has found application in purifying antibodies through its binding to the Fc region. The native molecule also binds albumin, however, because serum albumin is a major contaminant of antibody sources, the albumin binding site has been removed from this recombinant form of Protein G.
Form	Lyophilized from 0.22 µm filtered solution in PBS, pH7.4. Normally Trehalose are added as protectants before lyophilization.
Molecular Mass	Biotinylated Protein G, fused with the polyhistidine tag at N-terminus and a single cysteine at C-terminus. DTT-reduced protein migrates as a 31 kDa polypeptide .
Endotoxin	Less than 1.0 EU per µg of the Biotinylated Protein G by the LAL method.
Purity	>95% as determined by reduced SDS-PAGE.

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Storage	Avoid repeated freeze-thaw cycles. No activity loss was observed after storage at: In lyophilized state for 1 year (4°C); After reconstitution under sterile conditions for 3 months (-70°C).
Conjugation	Biotin

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