

HUMAN PGLYRP1 PROTEIN, HFC TAG

Cat.#: 11490

Product Name: Human PGLYRP1 Protein

Size: 10 µg, 50 µg and 100 µg

Synonyms: PGRP-S

Target: PGLYRP1

UNIPROT ID: O75594

Description: Recombinant human PGLYRP1 Protein with C-terminal Human Fc tag

Background: Pattern receptor that binds to murein peptidoglycans (PGN) of Gram-positive bacteria. Has bactericidal activity towards Gram-positive bacteria. May kill Gram-positive bacteria by interfering with peptidoglycan biosynthesis. Binds also to Gram-negative bacteria, and has bacteriostatic activity towards Gram-negative bacteria. Plays a role in innate immunity.[UniProtKB/Swiss-Prot Function]

Species/Host: HEK293

Molecular Weight: The protein has a predicted molecular mass of 45.6 kDa after removal of the signal peptide. The apparent molecular mass of PGLYRP1-hFc is approximately 35-55 kDa due to glycosylation.

Molecular Characterization: PGLYRP1 (Gln22-Pro196) hFc(Glu99-Ala330)

Purity: The purity of the protein is greater than 95% as determined by SDS-PAGE and Coomassie blue staining.

Formulation & Reconstitution: Lyophilized from nanodisc solubilization buffer (20 mM Tris-HCl, 150 mM NaCl, pH 8.0). Normally 5% – 8% trehalose is added as protectants before lyophilization.

Storage & Shipping: Store at -20°C to -80°C for 12 months in lyophilized form. After reconstitution, if not intended for use within a month, aliquot and store at -80°C (Avoid repeated freezing and thawing). Lyophilized proteins are shipped at ambient temperature.

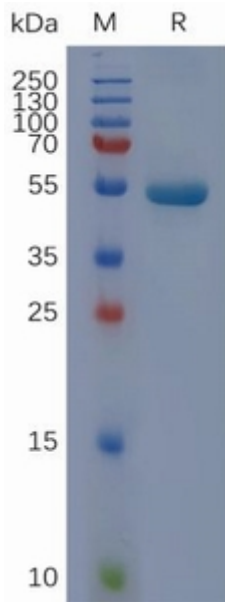


Figure 1. Human PGLYRP1, hFc Tag on SDS-PAGE under reducing condition.