

HUMAN PGLYRP1 PROTEIN, HIS TAG

Cat.#: 11576

Product Name: Human PGLYRP1 Protein

Size: 10 µg, 50 µg and 100 µg

Synonyms: PGRP-S;PGRPS;PGLYRP;PGRP;TNFSF3L

Target: PGLYRP1

UNIPROT ID: O75594

Description: Recombinant human PGLYRP1 protein with C-terminal 6xHis 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 20.3 kDa after removal of the signal peptide. The apparent molecular mass of PGLYRP1-His is approximately 15-25 kDa due to glycosylation.

Molecular Characterization: PGLYRP1(Gln22-Pro196) 6×His tag

Purity: The purity of the protein is greater than 85% 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.

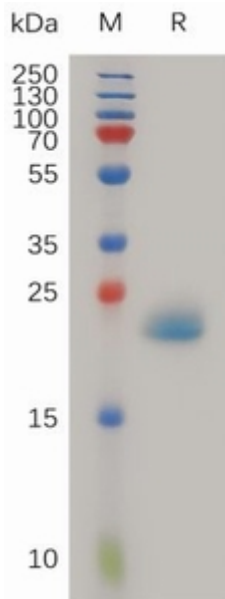


Figure 1. Human PGLYRP1 Protein, His Tag on SDS-PAGE under reducing condition.