

For Research Use Only

Recombinant Human PGLYRP1 protein (mFc Tag)



Catalog Number: Eg3666

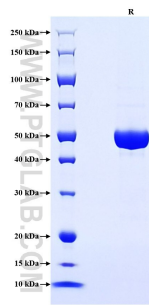
Basic Information	Species: Human	Purity: >90 %, SDS-PAGE	Tag: mFc Tag
Technical Specifications	Purity: >90 %, SDS-PAGE Endotoxin Level: <0.1 EU/μg protein, LAL method Source: HEK293-derived Human PGLYRP1 protein Gln22-Pro196 (Accession# O75594) with a mouse IgG Fc tag at the C-terminus. GeneID: 8993 Accession: O75594 Predicted Molecular Mass: 46.1 kDa SDS-PAGE: 44-53 kDa, reducing (R) conditions Formulation: Lyophilized from 0.22 μm filtered solution in PBS, pH 7.4. Normally 5% trehalose and 5% mannitol are added as protectants before lyophilization.		
Biological Activity	Not tested		
Storage and Shipping	Storage: It is recommended that the protein be aliquoted for optimal storage. Avoid repeated freeze-thaw cycles. • Until expiry date, -20°C to -80°C as lyophilized proteins. • 3 months, -20°C to -80°C under sterile conditions after reconstitution. Shipping: The product is shipped at ambient temperature. Upon receipt, store it immediately at the recommended temperature.		
Reconstitution	Briefly centrifuge the tube before opening. Reconstitute at 0.1-0.5 mg/mL in sterile water.		
Background	Peptidoglycan recognition protein 1 (PGLYRP1, also known as PGRP-S) belongs to a family of evolutionary conserved innate immunity proteins, which in mammals also include PGLYRP2, PGLYRP3, and PGLYRP4. PGLYRP1 is highly expressed in polymorphonuclear leukocytes and to a lesser extent in many non-immune cells. It recognizes bacterial peptidoglycan and functions in antibacterial immunity and inflammation. PGLYRP1 has been identified as a ligand for TREM-1.		
References	1. Guan R. et al. (2007). Trends Microbiol. 15(3):127-134. 2. Dziarski R. et al. (2010). Innate Immun. 16(3):168-174. 3. Read CB. et al. (2015). J Immunol. 194(4):1417-1421.		
Synonyms	PGLYRP, PGRP, PGRP S, PGRPS, PGRP-S		

For technical support and original validation data for this product please contact

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Selected Validation Data



Purity of Recombinant Human PGLYRP1 was determined by SDS-PAGE. The protein was resolved in an SDS-PAGE in reducing (R) conditions and stained using Coomassie blue.