

For Research Use Only

# Recombinant Human PGLYRP1 protein (rFc Tag)



Catalog Number: Eg3122

Basic Information	Species: Human	Purity: >90 %, SDS-PAGE	Tag: rFc Tag
Technical Specifications	<p><b>Purity:</b> &gt;90 %, SDS-PAGE</p> <p><b>Endotoxin Level:</b> &lt;1.0 EU/ µg protein, LAL method</p> <p><b>Source:</b> HEK293-derived Human PGLYRP1 protein Gln22-Pro196 (Accession# O75594) with a rabbit IgG Fc tag at the C-terminus.</p> <p><b>GeneID:</b> 8993</p> <p><b>Accession:</b> O75594</p> <p><b>Predicted Molecular Mass:</b> 45.0 kDa</p> <p><b>SDS-PAGE:</b></p> <p><b>Formulation:</b> Lyophilized from sterile PBS, pH 7.4. Normally 5% trehalose and 5% mannitol are added as protectants before lyophilization.</p>		
Biological Activity	Not tested		
Storage and Shipping	<p><b>Storage:</b> It is recommended that the protein be aliquoted for optimal storage. Avoid repeated freeze-thaw cycles.</p> <ul style="list-style-type: none"><li>• Until expiry date, -20°C to -80°C as lyophilized proteins.</li><li>• 3 months, -20°C to -80°C under sterile conditions after reconstitution.</li></ul> <p><b>Shipping:</b> The product is shipped at ambient temperature. Upon receipt, store it immediately at the recommended temperature.</p>		
Reconstitution	Briefly centrifuge the tube before opening. Reconstitute at 0.1-0.5 mg/mL in sterile water.		
Background	<p>Peptidoglycan recognition protein 1 (PGLYRP1, also known as PGRP-S) belongs to a family of evolutionarily conserved innate immunity proteins, which in mammals also include PGLYRP2, PGLYRP3, and PGLYRP4. PGLYRP1 is highly expressed in polymorphonuclear leukocytes and to a lower 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.</p>		
References	<ol style="list-style-type: none"><li>1. Guan, Rongjin, and Roy A Mariuzza. Trends in microbiology vol. 15,3 (2007): 127-34.</li><li>2. Dziarski, Roman, and Dipika Gupta. Innate immunity vol. 16,3 (2010): 168-74.</li><li>3. Read, Christine B et al. Journal of immunology (Baltimore, Md. : 1950) vol. 194,4 (2015): 1417-21.</li></ol>		
Synonyms			

## Selected Validation Data

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

T: 027-87531629

E: [Proteintech-CN@ptglab.com](mailto:Proteintech-CN@ptglab.com)

W: [ptgcn.com](http://ptgcn.com)

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