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## Datasheet for ABIN7320401 PGLYRP1 Protein (His tag)

### 1 Image

#### Overview

Quantity:	100 µg
Target:	PGLYRP1
Origin:	Mouse
Source:	HEK-293 Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This PGLYRP1 protein is labelled with His tag.

#### Product Details

Purpose:	Recombinant Mouse PGLYRP1/PGRP-S Protein (His Tag)
Sequence:	Met 1-Glu 182
Characteristics:	A DNA sequence encoding the mouse PGLYRP (O88593) (Met 1-Glu 182) was expressed, with a C-terminal polyhistidine tag
Purity:	> 95 % as determined by SDS-PAGE
Endotoxin Level:	< 1.0 EU per µg of the protein as determined by the LAL method.

#### Target Details

Target:	PGLYRP1
Alternative Name:	PGLYRP1/PGRP-S ( <a href="#">PGLYRP1 Products</a> )
Background:	Background: Peptidoglycan recognition protein 1, also known as Peptidoglycan recognition protein short, PGRP-S, PGLYRP1, PGLYRP, PGRP and TNFSF3L, is a secreted protein which belongs to the N-acetylmuramoyl-L-alanine amidase 2 family. PGLYRP1 / PGLYRP is highly

## Target Details

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expressed in bone marrow. It is weakly expressed in kidney, liver, small intestine, spleen, thymus, peripheral leukocyte, lung, fetal spleen and neutrophils. PGLYRP1 / PGLYRP is a pattern receptor that binds to murein peptidoglycans (PGN) of Gram-positive bacteria. It has bactericidal activity towards Gram-positive bacteria. PGLYRP1 / PGLYRP may kill Gram-positive bacteria by interfering with peptidoglycan biosynthesis. It binds also to Gram-negative bacteria, and has bacteriostatic activity towards Gram-negative bacteria. Peptidoglycan recognition proteins ( PGRPs or PGLYRPs ) are innate immunity proteins that are conserved from insects to mammals, recognize bacterial peptidoglycan, and function in antibacterial immunity and inflammation. Mammals have four PGRPs: PGLYRP1, PGLYRP2, PGLYRP3, and PGLYRP4. They are secreted proteins expressed in polymorphonuclear leukocytes ( PGLYRP1 ), liver ( PGLYRP2 ), or on body surfaces, mucous membranes, and in secretions (saliva, sweat) (PGLYRP3 and PGLYRP4). All PGRPs recognize bacterial peptidoglycan. The PGRPs likely play a role both in antibacterial defenses and several inflammatory diseases. They modulate local inflammatory responses in tissues (such as arthritic joints) and there is evidence for association of PGRPs with inflammatory diseases, such as psoriasis.

Synonym: Pglyrp;PGRP;PGRP-S;Tag7;Tasg7;Tnfsf3l

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Molecular Weight: 20.2 kDa

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UniProt: [O88593](#)

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Pathways: [Activation of Innate immune Response](#)

## Application Details

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Restrictions: For Research Use only

## Handling

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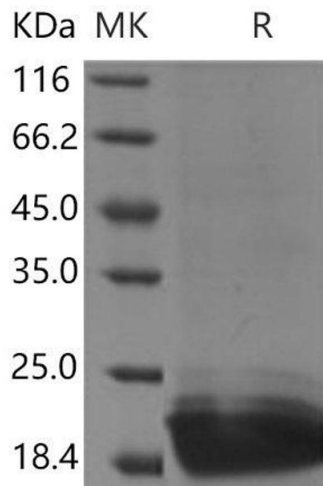
Format: Lyophilized

Reconstitution: Please refer to the printed manual for detailed information.

Buffer: Lyophilized from PBS, pH 7.4, 10 % glycerol

Storage: 4 °C,-20 °C,-80 °C

Storage Comment: Generally, lyophilized proteins are stable for up to 12 months when stored at -20 to -80°C. Reconstituted protein solution can be stored at 4-8°C for 2-7 days. Aliquots of reconstituted samples are stable at < -20°C for 3 months.



### Western Blotting

Image 1.