PGRP-S (human), (recombinant) (His-tag)

Peptidoglycan recognition protein 1, also known as Peptidoglycan recognition protein short, PGRP-S, PGLYRP1, PGLYRP, PGRP and TNFSF3L, is a secreted protein. It is highly expressed in bone marrow and weakly expressed in kidney, liver, small intestine, spleen, thymus, peripheral leukocyte, lung, fetal spleen and neutrophils. 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. 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.

Ordering Information

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ENZ-PRT322-0100	100µg

Manuals, SDS & CofA

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As a result of glycosylation, the recombinant protein migrates as an approximately 40.5 kDa protein in SDSPAGE under reducing conditions.

Handling & Storage

Handling	Avoid freeze/thaw cycles.
Long Term Storage	-20°C
Shipping	Ambient Temperature

Regulatory Status

RUO - Research Use Only

Product Details

Alternative Name	PGLYRP1, Peptidoglycan recognition protein short, TNFSF3L
Endotoxin Content	<1 EU/μg (LAL method)
Formulation	Lyophilized from sterile PBS, pH 7.4.
MW	~25.1 kDa (SDS-PAGE)
Purity	≥95% (SDS-PAGE)
Reconstitution	Reconstitute with sterile deionized water. Reconstitution instructions are lot specific.
Source	Produced in HEK293 cells. A DNA sequence encoding the human PGLYRP1 (Met1-Pro196) was expressed with a polyhistidine tag at the C-terminus.
UniProt ID	O75594

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