9051 Mira Mesa Blvd, #910094
San Diego, CA 92191
Tel: 760-390-3989

PGLYRP1 Human

Peptidoglycan Recognition Protein 1 Human Recombinant
RCP1637

Product Overview

Name	PGLYRP1 Human
Description	
Peptidoglycan Recognition Protein 1 Human Recombinant	
Accession (Primary)	O75594
Synonyms	
Peptidoglycan recognition protein 1, Peptidoglycan recognition protein short, PGRP-S, PGLYRP1, PGLYRP, PGRP, TNFSF3L, TAG7, PGRPS.	
Introduction	
Peptidoglycan Recognition Protein 1 (PGLYRP1) is a member of the N-acetylmuramoyl-L-alanine amidase 2 family. PGLYRP1 binds to peptidoglycan of bacteria and affects the peptidoglycan biosynthesis. PGLYRP1 displays bactericidal activity towards Gram-positive bacteria and is bacteriostatic towards Gram-negative bacteria. PGLYRP1 has a role in innate immunity. PGLYRP1 is highly expressed in the bone marrow, and weakly expressed in the kidney, liver, small intestine, spleen, thymus, peripheral leukocyte, lung, fetal spleen and neutrophils.	
Source	
Escherichia Coli.	
Physical Appearance	
Filtered White lyophilized (freeze-dried) powder.	
Formulation	
PGLYRP1 filtered (0.4 µm) and lyophilized from 0.5mg/ml in 0.05M Acetate buffer pH-4.0.	
Stability	
Store lyophilized protein at -20°C. Aliquot the product after reconstitution to avoid repeated freezing/thawing cycles. Reconstituted protein can be stored at 4°C for a limited period of time; it does not show any change after two weeks at 4°C.	
Purity	
Greater than 90.0% as determined by SDS-PAGE.	
Amino acid sequence	
MKHHHHHHAS QETEDPACCS PIVPRNEWKA LASECAQHLS LPLRYVVVSH TAGSSCNTPA SCQQQARNVQ HYHMKTLGWC DVGYNFLIGE DGLVYEGRGW NFTGAHSGHL WNPMSIGISF MGNYMDRVPT PQAIRAAQGL	

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LACGVAQGAL RSNYVLKGHR DVQRTLSPGN QLYHLIQNWP HYRSP.

Solubility

It is recommended to add 0.1M Acetate buffer pH-4 to prepare a working stock solution of approximately 0.5mg/ml and let the lyophilized pellet dissolve completely at 37°C. For conversion into higher pH value, we recommend intensive dilution by relevant buffer to a concentration of 10 µg/ml. In higher concentrations the solubility of this antigen is limited. PGLYRP1 is not sterile! Please filter the product by an appropriate sterile filter before using it in the cell culture.

Precautions

PGLYRP1 Human is for research use only and not for use in diagnostic or therapeutic procedures.

Target Information: (O75594)