

Active Recombinant Human PGLYRP1 Protein, His-tagged

Cat. No. PGLYRP1-06H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant human PGLYRP1, fused to His tag at C-terminus, was expressed in HEK293 cell and purified by using conventional chromatography techniques.
Species	Human
Source	HEK293
ProteinLength	22-196
Description	Innate immunity protein that plays several important functions in antimicrobial and antitumor defense systems. Acts as a pattern receptor that binds to murein peptidoglycans (PGN) of Gram-positive bacteria and thus provides bactericidal activity.
Form	Liquid
Bio-activity	Measured by its binding ability in a functional ELISA with Peptidoglycan. The ED50 range ≤ 30 ng/mL.
Molecular Mass	20.5kDa (184aa)
AA Sequence	QETEDPACCSPIVPRNEWKALASECAQHLSLPLRYVVVSHTAGSSCNTPASCQQQA RNVQHYHMKTLGWCDVGYNFLIGEDGLVYEGRGWNFTGAHSGHLWNPMSIGISFM GNYMDRVPTPQAIRAAQGLLAGVAQGALRSNYVLKGHRDVQRTLSPGNQLYHLIQ NWPHYRSP

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Endotoxin	< 1 EU/μg of protein (determined by LAL method)
Purity	> 95 % by SDS-PAGE
Applications	SDS-PAGE, Bioactivity
Storage	Can be stored at +2 to +8 centigrade for 1 week. For long term storage, aliquot and store at -20 to -80 centigrade. Avoid repeated freezing and thawing cycles.
Concentration	0.25 mg/mL
Storage Buffer	PBS (pH 7.4) containing 10% glycerol

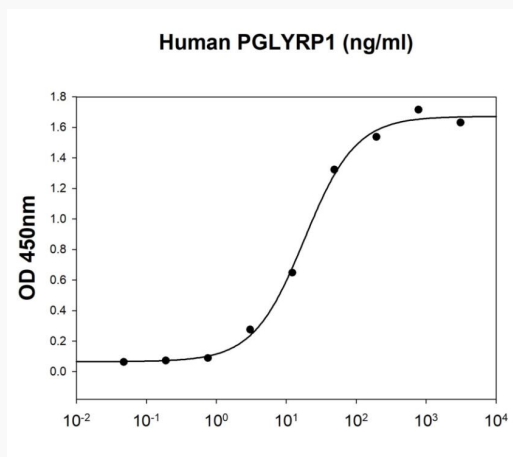
GENE INFORMATION

Gene Name	PGLYRP1 peptidoglycan recognition protein 1 [Homo sapiens (human)]
Official Symbol	PGLYRP1
Synonyms	PGLYRP1; peptidoglycan recognition protein 1; PGRP; TAG7; PGRPS; PGLYRP; PGRP-S; TNFSF3L; peptidoglycan recognition protein 1; TNF superfamily, member 3 (LTB)-like (peptidoglycan recognition protein)
Gene ID	8993
mRNA Refseq	NM_005091
Protein Refseq	NP_005082
MIM	604963

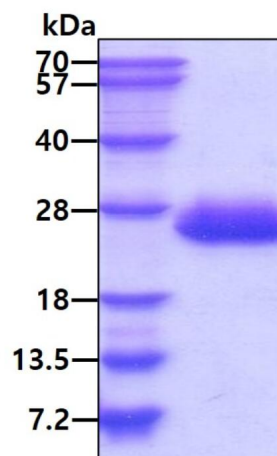
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UniProt ID
O75594
Biological Activity


Peptidoglycan is coated at 10 µg/mL (100 µL/well) can bind Human PGLYRP1. The ED50 range ≤ 30 ng/mL.

SDS-PAGE


3 µg by SDS-PAGE under reducing condition and visualized by coomassie blue

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