

Datasheet for ABIN7596191

PGLYRP1 Protein (AA 22-196) (His tag)[Go to Product page](#)

Overview

Quantity:	250 µg
Target:	PGLYRP1
Protein Characteristics:	AA 22-196
Origin:	Human
Source:	HEK-293 Cells
Protein Type:	Recombinant
Biological Activity:	Active
Purification tag / Conjugate:	This PGLYRP1 protein is labelled with His tag.
Application:	SDS-PAGE (SDS), Activity Assay (AcA)

Product Details

Sequence:	QETEDPA CCSPIVPRNE WKALASECAQ HLSLPLRYVV VSHTAGSSCN TPASCQQQAR NVQHYHMKTL GWCDVGYNFL IGEDGLVYEG RGWNFTGAHS GHLWNPMSIG ISFMGNYMDR VPTPQAIRAA QGLLACGVAQ GALRSNYVLK GHRDVQRTLS PGNQLYHLIQ NWPHYRSP
Purity:	> 95% by SDS-PAGE
Endotoxin Level:	< 1 EU per 1ug of protein (determined by LAL method)
Biological Activity Comment:	Measured by its binding ability in a functional ELISA with Peptidoglycan. The ED50 range ≤ 30 ng/ml.

Target Details

Target:	PGLYRP1
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Target Details

Alternative Name:	PGLYRP1/PGRP-S (PGLYRP1 Products)
Background:	<p>PGLYRP1, also known as peptidoglycan recognition protein 1, is an innate immunity protein that plays several important functions in antimicrobial and antitumor defense systems. It acts as a pattern receptor that binds to murein peptidoglycans of gram-positive bacteria and provides bactericidal activity. PGLYRP1 forms an equimolar complex with HSPA1A and induces programmed cell death through apoptosis and necroptosis in tumor cell lines by activating the TNFR1 receptor on the target cell membrane. This protein also interacts with S100A4 and function as a chemoattractant which induces lymphocyte movement. Recombinant human PGLYRP1, fused to His-tag at C-terminus, was expressed in HEK293 cell and purified by using conventional chromatography techniques.</p>
Molecular Weight:	20.5kDa (184aa)
NCBI Accession:	NP_005082
Pathways:	Activation of Innate immune Response

Application Details

Application Notes:	Optimal working dilution should be determined by the investigator.
Restrictions:	For Research Use only

Handling

Format:	Liquid
Concentration:	0.25 mg/mL
Storage:	4 °C,-20 °C,-80 °C
Storage Comment:	Can be stored at +2°C to +8°C for 1 week. For long term storage, aliquot and store at -20°C to -80°C. Avoid repeated freezing and thawing cycles.