

Product datasheet

Recombinant Human PGRPS protein - BSA and Azide free ab175469

[1 Image](#)

Description

Product name	Recombinant Human PGRPS protein - BSA and Azide free
Purity	> 90 % Densitometry. ab175469 was purified using Ni-NTA chromatography.
Endotoxin level	< 1.000 Eu/μg
Expression system	Escherichia coli
Accession	<u>Q75594</u>
Protein length	Full length protein
Animal free	No
Carrier free	Yes
Nature	Recombinant
Species	Human
Sequence	QETEDPACCSPVMPRNEWKALASECAQHLSLPLRYVVVS HTAGSSCNTPA SCQQQARNVQHYYHMKTLGWCDVGYNFLIGEDGLVYEGR GWNFTGAHSGHL WNPMSIGISFMGNYMDRVPTPQAIRAAQGLLACGVAQGAL RSNYVLKGHR DVQRTLSPGNQLYHLIQNWPHYRSP
Predicted molecular weight	21 kDa including tags
Amino acids	22 to 196
Tags	His tag N-Terminus
Description	Recombinant Human PGRPS protein (BSA and azide free)

Specifications

Our **Abpromise guarantee** covers the use of **ab175469** in the following tested applications.

The application notes include recommended starting dilutions; optimal dilutions/concentrations should be determined by the end user.

Applications	Western blot
	ELISA
	Mass Spectrometry

	SDS-PAGE
Mass spectrometry	LC-MS/MS
Form	Lyophilized

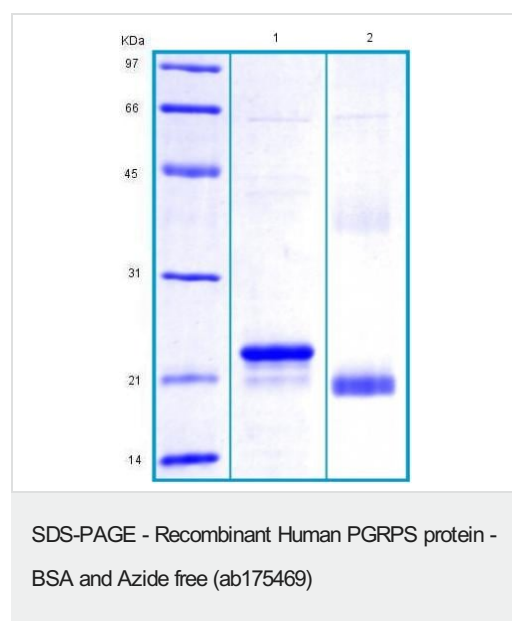
Preparation and Storage

Stability and Storage	Shipped on Dry Ice. Store at -80°C. Avoid freeze / thaw cycle. Constituent: 0.41% Sodium acetate ab175469 is 0.4 µm filtered.
Reconstitution	Add 200 µl of 0.1M Acetate buffer pH=4.0 to prepare a working stock solution of 0.5 mg/mL.

General Info

Function	Pattern receptor that binds to murein peptidoglycans (PGN) of Gram-positive bacteria. Has bactericidal activity towards Gram-positive bacteria. May kill Gram-positive bacteria by interfering with peptidoglycan biosynthesis. Binds also to Gram-negative bacteria, and has bacteriostatic activity towards Gram-negative bacteria. Plays a role in innate immunity.
Tissue specificity	Highly expressed in bone marrow. Weak expression found in kidney, liver, small intestine, spleen, thymus, peripheral leukocyte, lung, fetal spleen and neutrophils.
Sequence similarities	Belongs to the N-acetylmuramoyl-L-alanine amidase 2 family.
Post-translational modifications	N-glycosylated. N-glycosylation is required for bactericidal activity.
Cellular localization	Secreted. Cytoplasmic granule.

Images



14% SDS-PAGE analysis of ab175469

Lane 1: reduced and heated sample (2.5 µg)

Lane 2: Non-reduced and non-heated sample (2.5 µg)

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- Response to your inquiry within 24 hours

- We provide support in Chinese, English, French, German, Japanese and Spanish
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