

RP10020LQ

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## Recombinant Human PA28gamma/PSME3 protein

Catalog No.: RP10020LQ

Recombinant

### Sequence Information

Species	Gene ID	Swiss Prot
Human	10197	P61289

#### Tags

His Tag

#### Synonyms

PSME3; HEL-S-283; Ki; PA28-gamma; PA28G; PA28gamma; REG-GAMMA; proteasome activator subunit 3; HEL-S-283; Ki; PA28-gamma; PA28G; PA28gamma; REG-GAMMA

### Product Information

Source	Purification
<I>E. coli</I>	~95% by SDS-PAGE

#### Endotoxin

#### Formulation

20 mM Tris, 150 mM NaCl, 2 mM  $\beta$ ME, 10% Glycerol

#### Reconstitution

### Background

PA28 (also called the 11S regulatory complex) is another activator of the 20S proteasome, which assembles on either one or both ends of the 20S proteasome in an ATP-independent manner. PA28 can greatly enhance the peptidase activities of the 20S proteasome, but not for degradation of ubiquitinated proteins. The PA28 activator is a complex of two alternating homologous subunits, PA28 $\alpha$  and PA28 $\beta$ , which assembles as a hexameric ring with an  $\alpha\beta\beta\alpha$  stoichiometry. PA28 $\alpha$  and PA28 $\beta$  are induced by interferon. Functionally, PA28 enhances the generation of class I peptides for antigen presentation. The third subunit, PA28 $\gamma$ , was recently identified in the nucleus. Recombinant PA28 $\alpha$  and PA28 $\beta$  form a heptomeric ring; whereas PA28 $\gamma$  forms a hexameric ring. All of them can stimulate the peptidase activities of the 20S proteasome.

### Basic Information

#### Description

#### Bio-Activity

#### Storage

This product is stable at  $\leq -70^{\circ}\text{C}$  for up to 6 months from the date of receipt. For optimal storage, aliquot into smaller quantities after centrifugation and store at recommended temperature.

Avoid repeated freeze/thaw cycles.

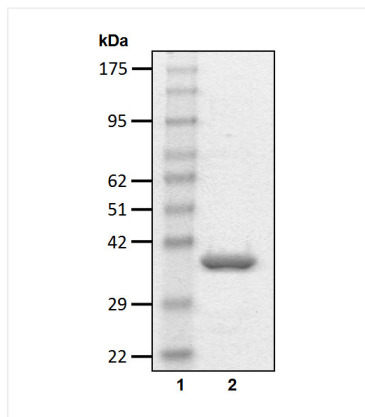
### Contact



[www.abclonal.com](http://www.abclonal.com)

## Validation Data

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Recombinant human PA28gamma/PSME3 protein was determined by SDS-PAGE with Coomassie Blue.