

## Recombinant Human PSME3 293 Cell Lysate

Cat. No. PSME3-2739HCL Lot. No. (See product label)

### SPECIFICATION

<b>Species</b>	Human
<b>Source</b>	HEK293
<b>Description</b>	Antigen standard for proteasome (prosome, macropain) activator subunit 3 (PA28 gamma; Ki) (PSME3), transcript variant 1 is a lysate prepared from HEK293T cells transiently transfected with a TrueORF gene-carrying pCMV plasmid and then lysed in RIPA Buffer. Protein concentration was determined using a colorimetric assay. The antigen control carries a C-terminal Myc/DDK tag for detection.
<b>Components</b>	This product includes 3 vials: 1 vial of gene-specific cell lysate, 1 vial of control vector cell lysate, and 1 vial of loading buffer. Each lysate vial contains 0.1 mg lysate in 0.1 ml (1 mg/ml) of RIPA Buffer (50 mM Tris-HCl pH7.5, 250 mM NaCl, 5 mM EDTA, 50 mM NaF, 1% NP40). The loading buffer vial contains 0.5 ml 2X SDS Loading Buffer (125 mM Tris-Cl, pH6.8, 10% glycerol, 4% SDS, 0.002% Bromophenol blue, 5% beta-mercaptoethanol).
<b>Size</b>	0.1 mg
<b>Storage Instruction</b>	Store at -80°C. Minimize freeze-thaw cycles. After addition of 2X SDS Loading Buffer, the lysates can be stored at -20°C. Product is guaranteed 6 months from the date of shipment.
<b>Applications</b>	ELISA, WB, IP. WB: Mix equal volume of lysates with 2X SDS Loading Buffer. Boil the mixture for 10 min before loading (for membrane protein lysates, incubate the

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mixture at room temperature for 30 min). Load 5 ug lysate per lane.

## GENE INFORMATION

<b>Gene Name</b>	PSME3 proteasome (prosome, macropain) activator subunit 3 (PA28 gamma; Ki) [ Homo sapiens ]
<b>Official Symbol</b>	PSME3
<b>Synonyms</b>	PSME3; proteasome (prosome, macropain) activator subunit 3 (PA28 gamma; Ki); proteasome activator complex subunit 3; Ki; PA28 gamma; PA28G; REG GAMMA; PA28gamma; Ki antigen; Ki nuclear autoantigen; proteasome activator 28-gamma; 11S regulator complex gamma subunit; 11S regulator complex subunit gamma; proteasome activator 28 subunit gamma; activator of multicatalytic protease subunit 3; REG-GAMMA; PA28-gamma;
<b>Gene ID</b>	10197
<b>mRNA Refseq</b>	NM_005789
<b>Protein Refseq</b>	NP_005780
<b>MIM</b>	605129
<b>UniProt ID</b>	P61289
<b>Chromosome Location</b>	17q12-q21
<b>Pathway</b>	APC/C-mediated degradation of cell cycle proteins, organism-specific biosystem; APC/C:Cdc20 mediated degradation of Securin, organism-specific biosystem;

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APC/C:Cdc20 mediated degradation of mitotic proteins, organism-specific biosystem;  
APC/C:Cdh1 mediated degradation of Cdc20 and other APC/C:Cdh1 targeted  
proteins in late mitosis/early G1, organism-specific biosystem; Activation of APC/C  
and APC/C:Cdc20 mediated degradation of mitotic proteins, organism-specific  
biosystem; Activation of NF-kappaB in B Cells, organism-specific biosystem; Adaptive  
Immune System, organism-specific biosystem;

**Function**

MDM2 binding; endopeptidase activator activity; p53 binding; protein binding;

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