

Recombinant Human PSMB7 293 Cell Lysate

Cat. No. PSMB7-2769HCL Lot. No. (See product label)

SPECIFICATION

Species	Human
Source	HEK293
Description	Antigen standard for proteasome (prosome, macropain) subunit, beta type, 7 (PSMB7) 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.
Components	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).
Size	0.1 mg
Storage Instruction	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.
Applications	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

Gene Name	PSMB7 proteasome (prosome, macropain) subunit, beta type, 7 [Homo sapiens]
Official Symbol	PSMB7
Synonyms	PSMB7; proteasome (prosome, macropain) subunit, beta type, 7; proteasome subunit beta type-7; Z; macropain chain Z; proteasome subunit Z; proteasome subunit alpha; proteasome subunit beta 7; proteasome catalytic subunit 2; multicatalytic endopeptidase complex chain Z;
Gene ID	5695
mRNA Refseq	NM_002799
Protein Refseq	NP_002790
MIM	604030
UniProt ID	Q99436
Chromosome Location	9q34.11-q34.12
Pathway	APC/C-mediated degradation of cell cycle proteins, organism-specific biosystem; APC/C:Cdc20 mediated degradation of Securin, organism-specific biosystem; 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

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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

peptidase activity; protein binding; threonine-type endopeptidase activity;

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