

Recombinant Human PSMC5 293 Cell Lysate

Cat. No. PSMC5-2759HCL Lot. No. (See product label)

SPECIFICATION

Species	Human
Source	HEK293
Description	Antigen standard for proteasome (prosome, macropain) 26S subunit, ATPase, 5 (PSMC5) 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 PSMC5 proteasome (prosome, macropain) 26S subunit, ATPase, 5 [Homo sapiens]

Official Symbol PSMC5

Synonyms PSMC5; proteasome (prosome, macropain) 26S subunit, ATPase, 5; 26S protease regulatory subunit 8; p45; p45/SUG; S8; SUG 1; SUG1; TBP10; TRIP1; MSUG1 protein; proteasome subunit p45; thyroid receptor interactor 1; Tat-binding protein homolog 10; proteasome 26S ATPase subunit 5; proteasome 26S subunit ATPase 5; 26S proteasome AAA-ATPase subunit RPT6; thyroid hormone receptor-interacting protein 1; SUG-1;

Gene ID 5705

mRNA Refseq NM_001199163

Protein Refseq NP_001186092

MIM 601681

UniProt ID P62195

Chromosome Location 17q23.3

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;

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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

ATP binding; ATPase activity; hydrolase activity; nucleotide binding; protein binding; receptor binding; thyrotropin-releasing hormone receptor binding; transcription cofactor activity; transcription factor binding;

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