

Human Proteasome 26S Subunit, ATPase 6 (PSMC6) ELISA Kit | PSMC6 elisa kit

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CATALOG #
AAA161556

REACTIVITY
Human

PRODUCT SYNONYMS

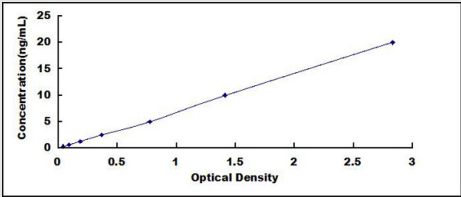
Proteasome 26S Subunit; ATPase 6 (PSMC6); Human Proteasome 26S Subunit; ATPase 6 (PSMC6) ELISA Kit; PSMC6 ELISA kit (Human); CADP44; P44; SUG2; p42; 26S proteasome AAA-ATPase subunit RPT4; Proteasome 26S subunit ATPase 6; Proteasome subunit p42; PSMC6 elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Human
Specificity	This assay has high sensitivity and excellent specificity for detection of Proteasome 26S Subunit, ATPase 6 (PSMC6). No significant cross-reactivity or interference between Proteasome 26S Subunit, ATPase 6 (PSMC6) and analogues was observed. Reactive with Human PSMC6/Proteasome 26S Subunit, ATPase 6
Assay Type	Double-antibody Sandwich
Samples	Tissue homogenates, Cell lysates and other biological fluids
Detection Method	Colormetric
Featured Series	SE kit
Detection Range	0.312-20ng/mL
Sensitivity	0.112ng/mL
Sample Size	100uL
Assay Time	3h
Function	Detects protein (regular version)
Precision	Intra-assay Precision (Precision within an assay): 3 samples with low, middle and high level Proteasome 26S Subunit, ATPase 6 (PSMC6) were tested 20 times on one plate, respectively. Inter-assay Precision (Precision between assays): 3 samples with low, middle and high level Proteasome 26S Subunit, ATPase 6 (PSMC6) were tested on 3 different plates, 8 replicates in each plate. CV(%) = SD/meanX100 Intra-Assay: CV<10%, Inter-Assay: CV<12%
Assay Procedure Summary	1. Prepare all reagents, samples and standards 2. Add 100ul standard or sample to each well. Incubate 2 hours at 37 degree C 3. Aspirate and add 100ul prepared Detection Reagent A. Incubate 1 hour at 37 degree C 4. Aspirate and wash 3 times 5. Add 100ul prepared Detection Reagent B. Incubate 30 minutes at 37 degree C 6. Aspirate and wash 5 times 7. Add 90ul Substrate Solution. Incubate 10-20 minutes at 37 degree C 8. Add 50ul Stop Solution. Read at 450nm immediately.

Test Principle	The test principle applied in this kit is Sandwich enzyme immunoassay. The microtiter plate provided in this kit has been pre-coated with an antibody specific to Proteasome 26S Subunit, ATPase 6 (PSMC6). Standards or samples are then added to the appropriate microtiter plate wells with a biotin-conjugated antibody specific to Proteasome 26S Subunit, ATPase 6 (PSMC6). Next, Avidin conjugated to Horseradish Peroxidase (HRP) is added to each microplate well and incubated. After TMB substrate solution is added, only those wells that contain Proteasome 26S Subunit, ATPase 6 (PSMC6), biotin-conjugated antibody and enzyme-conjugated Avidin will exhibit a change in color. The enzyme-substrate reaction is terminated by the addition of sulphuric acid solution and the color change is measured spectrophotometrically at a wavelength of 450nm +/- 10nm. The concentration of Proteasome 26S Subunit, ATPase 6 (PSMC6) in the samples is then determined by comparing the O.D. of the samples to the standard curve.
Research Area	Enzyme & Kinase
Preparation and Storage	Store at 4 degree C for 1 month/-20 degree C for long-term (One year within shelf life) The stability of kit is determined by the loss rate of activity. The loss rate of this kit is less than 5% within the expiration date under appropriate storage condition.To minimize extra influence on the performance, operation procedures and lab conditions, especially room temperature, air humidity, incubator temperature should be strictly controlled. It is also strongly suggested that the whole assay is performed by the same operator from the beginning to the end.

IMAGES



Standard Curve (Sample)
Typical Standard Curve for PSMC6 ELISA (Sandwich)

NCBI AND UNIPROT INFORMATION

NCBI GI #	195539395
NCBI GeneID	5706
NCBI Accession #	NP_002797.3
NCBI GenBank Nucleotide #	NM_002806.3
UniProt Accession #	P62333; P49719; Q6IBU3; Q92524; B2R975
Molecular Weight	44,173 Da
NCBI Official Full Name	26S protease regulatory subunit 10B
NCBI Official Synonym Full Names	proteasome (prosome, macropain) 26S subunit, ATPase, 6
NCBI Official Symbol	PSMC6
NCBI Official Synonym Symbols	P44; p42; SUG2; CADP44
NCBI Protein Information	26S protease regulatory subunit 10B; proteasome subunit p42; proteasome 26S subunit ATPase 6; conserved ATPase domain protein 44; 26S protease regulatory subunit S10B; 26S proteasome AAA-ATPase subunit RPT4
UniProt Protein Name	26S protease regulatory subunit 10B
UniProt Gene Name	PSMC6
UniProt Synonym Gene Names	SUG2
UniProt Entry Name	PRS10_HUMAN

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

AAA Biotech | Tel: +1 (619) 604-9440 | Fax: +1 (619) 604-9441 | contact@aaabiotech.com

Online datasheet: <https://www.aaabiotech.com/human-elisa-kits/proteasome-26s-subunit-atpase-6-psmc6/161556>