

Recombinant human PSMD11, His-tagged

Cat. No. PSMD11-2470H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant human PSMD11 protein, fused to His-tag at N-terminus, was expressed in E.coli.
Species	Human
Source	E.coli
ProteinLength	1-422 aa
Description	The 26S proteasome is a multicatalytic proteinase complex with a highly ordered structure composed of 2 complexes, a 20S core and a 19S regulator. The 20S core is composed of 4 rings of 28 non-identical subunits; 2 rings are composed of 7 alpha subunits and 2 rings are composed of 7 beta subunits. The 19S regulator is composed of a base, which contains 6 ATPase subunits and 2 non-ATPase subunits, and a lid, which contains up to 10 non-ATPase subunits. PSMD11 is a member of the proteasome subunit S9 family that functions as a non-ATPase subunit of the 19S regulator and is phosphorylated by AMP-activated protein kinase.
Form	Liquid. In 20mM Tris-HCl buffer (pH 8.0) containing 10% glycerol
Molecular Mass	49.6kDa (442aa)
AA Sequence	MGSSHHHHHH SSGLVPRGSH MAAAAVVEFQ RAQSLLSTDR EASIDILHSI VKRDIQENDE EAVQVKEQSI LELGSLLAKT GQAAELGGLL KYVRPFLNSI SKAKAARLVR SLLDLFLDME AATGQEVELC LECIEWAKSE KRTFLRQALE

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ARLVSLYFDT KRYQEALHLG SQLLRELKKM DDKALLVEVQ LLESKTYHAL
 SNLPKARAAL TSARTTANAI YCPPKLQATL DMQSGIIHAA EEKDWKTAYS
 YFYEA FEGYD SIDSPKAITS LKYMLLCKIM LNTPEDVQAL VSGKLALRYA
 GRQTEALKCV AQASKNRSLA DFEKALTDYR AELRDDPIIS THLAKLYDNL
 LEQNLIRVIE PFSRVQIEHI SSLIKLSKAD VERKLSQMIL DKKFHGILDQ
 GEGVLIIFDE PPVDKTYEAA LETIQNMSKV VDSLYNKAKK LT

Purity >85% by SDS - PAGE

Applications SDS-PAGE

Storage Can be stored at +4C short term (1-2 weeks). For long term storage, aliquot and store at -20C or -70C. Avoid repeated freezing and thawing cycles.

Concentration 1 mg/ml (determined by Bradford assay)

GENE INFORMATION

Gene Name [PSMD11 proteasome \(prosome, macropain\) 26S subunit, non-ATPase, 11 \[Homo sapiens \]](#)

Official Symbol PSMD11

Synonyms PSMD11; proteasome (prosome, macropain) 26S subunit, non-ATPase, 11; 26S proteasome non-ATPase regulatory subunit 11; MGC3844; p44.5; Rpn6; S9; 26S proteasome regulatory subunit 9; 26S proteasome regulatory subunit S9; 26S proteasome regulatory subunit RPN6; 26S proteasome regulatory subunit p44.5;

Gene ID [5717](#)

mRNA Refseq [NM_002815](#)

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Protein Refseq	NP_002806
MIM	604449
UniProt ID	O00231
Chromosome Location	17q12
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 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;

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