

# Recombinant Human PSMD11 Protein, Myc/DDK-tagged, C13 and N15-labeled

**Cat. No.** PSMD11-6722H    **Lot. No.** (See product label)

## SPECIFICATION

|                         |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |
|-------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Product Overview</b> | PSMD11 MS Standard C13 and N15-labeled recombinant protein (NP_002806) with a C-terminal MYC/DDK tag, was expressed in HEK293 cells.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |
| <b>Species</b>          | Human                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |
| <b>Source</b>           | HEK293                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |
| <b>Description</b>      | <p>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. Proteasomes are distributed throughout eukaryotic cells at a high concentration and cleave peptides in an ATP/ubiquitin-dependent process in a non-lysosomal pathway. This gene encodes 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. Alternatively spliced transcript variants have been observed for this gene.</p> |
| <b>Molecular Mass</b>   | 47.3 kDa                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |
| <b>AA Sequence</b>      | MAAAAVVEFQRAQSLLSTDREASIDILHSIVKRDIQENDEEAVQVKEQSILELGSLLAK<br>TGQAAELGGLLKYYVRPFLNSISKAKAARLVRSLLDLFLDMEAATGQEVELCLECIEWA                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |

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KSEKRTFLRQALEARLVSLYFDTKRYQEALHLGSQLLRELKKMDDKALLVEVQLLES  
 KTYHALSNLPKARAALTSARTTANAIYCPPKLQATLDMQSGIIHAAEEKDWKTAYSF  
 YEAFEGYDSIDSPKAITSCLKYMLLCKIMLNTPEDVQALVSGKLALRYAGRQTEALKCV  
 AQASKNRSLADFEKALTDYRAELRDDPIISTHLAKLYDNLLEQNLIRVIEPFSRVQIEHI  
 SSLIKLSKADVERKLSQMILDKKFHGLDQGEGLIIFDEPPVDKTYEAALETIQNMSK  
 VVDSLYNKAKKLTTRTRPLEQKLISEEDLAANDILDYKDDDDKV

**Purity** > 80% as determined by SDS-PAGE and Coomassie blue staining

**Stability** Stable for 3 months from receipt of products under proper storage and handling conditions.

**Storage** Store at -80 centigrade. Avoid repeated freeze-thaw cycles.

**Concentration** 50 µg/mL as determined by BCA

**Storage Buffer** 100 mM glycine, 25 mM Tris-HCl, pH 7.3.

## GENE INFORMATION

**Gene Name** PSMD11 proteasome 26S subunit, non-ATPase 11 [ Homo sapiens (human) ]

**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

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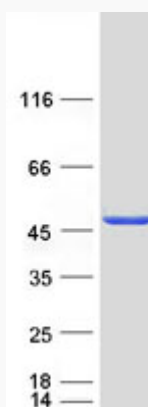
mRNA Refseq [NM\\_002815](#)

Protein Refseq [NP\\_002806](#)

MIM [604449](#)

UniProt ID [O00231](#)

SDS-PAGE



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