

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

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

SPECIFICATION

Product Overview	PSMD11 MS Standard C13 and N15-labeled recombinant protein (NP_002806) with a C-terminal MYC/DDK tag, was expressed in HEK293 cells.
Species	Human
Source	HEK293
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. 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.
Molecular Mass	47.3 kDa
AA Sequence	MAAAAVVEFQRAQSLLSTDREASIDILHSIVKRDIQENDEEAVQVKEQSILELGSLLAK TGQAAELGGLLKYYVRPFLNSISKAKAARLVRSLLDLFLDMEAATGQEVELCLECIEWA

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KSEKRTFLRQALEARLVSLYFDTKRYQEALHLGSQLLRELKKMDDKALLVEVQLLES
 KTYHALSNLPKARAALTSARTTANAIYCPPKLQATLDMQSGIIHAAEEKDWKTAYSIF
 YEAFEGYDSIDSPKAITSLKYMLLCKIMLNTPEDVQALVSGKLALRYAGRQTEALKCV
 AQASKNRSLADFEKALTDYRAELRDDPIISTHLAKLYDNLLEQNLIRVIEPFSRVQIEHI
 SSLIKLSKADVERKLSQMILDKKFHIGILDQGEGLIIFDEPPVDKTYEAALETIQNMSK
 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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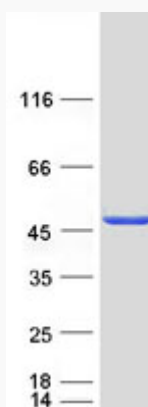
mRNA Refseq NM_002815

Protein Refseq NP_002806

MIM 604449

UniProt ID O00231

SDS-PAGE



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