

## Recombinant Human PSMD13 Protein, Myc/DDK-tagged, C13 and N15-labeled

**Cat. No.** PSMD13-1172H    **Lot. No.** (See product label)

### SPECIFICATION

|                         |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |
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| <b>Product Overview</b> | PSMD13 MS Standard C13 and N15-labeled recombinant protein (NP_002808) 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. An essential function of a modified proteasome, the immunoproteasome, is the processing of class I MHC peptides. This gene encodes a non-ATPase subunit of the 19S regulator. Two transcripts encoding different isoforms have been described.</p> |
| <b>Molecular Mass</b>   | 42.9 kDa                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |
| <b>AA Sequence</b>      | MKDVPGFLQQSQSSGPGQPAVWHRLEELYTKKLWHQLTLQVLDFVQDPCFAQGD<br>GLIKLYENFISEFEHRVNPLSLVEIILHVVRQMTDPNVALTFLEKTREKVKSSDEAVILC                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |

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KTAIGALKLNIGDLQVTKETIEDVEEMLNNLPGVTSVHSRFYDLSSKYYQTIGNHAS  
YKDARFLGCVDIKDLPVSEQQERAFTLGLAGLLGEGVFNFGELLMHPVLESRLNTD  
RQWLIDTLYAFNSGNVERFQTLKTAWGQQPDLAANEAQLLRKIQLLCLMEMTFTRP  
ANHRQLTFEEIAKSAKITVNEVELLMKALSGLVKGSIDEVDKRVHMTWVQPRVLD  
LQQIKGMKDRLEFWCTDVKSMEMLVEHQAHDLTSGPTRTRPLEQKLISEEDLAAND  
ILDYKDDDDKV

**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** PSMD13 proteasome 26S subunit, non-ATPase 13 [ Homo sapiens (human) ]

**Official Symbol** PSMD13

**Synonyms** PSMD13; proteasome (prosome, macropain) 26S subunit, non-ATPase, 13; 26S proteasome non-ATPase regulatory subunit 13; p40.5; Rpn9; 26S proteasome subunit p40.5; 26S proteasome regulatory subunit S11; 26S proteasome regulatory subunit RPN9; 26S proteasome regulatory subunit p40.5; S11; HSPC027;

**Gene ID** 5719

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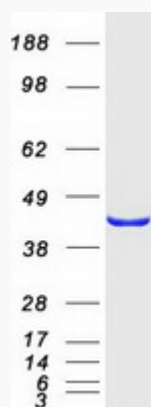
**mRNA Refseq** [NM\\_002817](#)

**Protein Refseq** [NP\\_002808](#)

**MIM** [603481](#)

**UniProt ID** [Q9UNM6](#)

**SDS-PAGE**



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