

# Recombinant Human PSMD14 Protein, Myc/DDK-tagged, C13 and N15-labeled

**Cat. No.** PSMD14-6158H    **Lot. No.** (See product label)

## SPECIFICATION

|                         |                                                                                                                                                                                                                                                                                                                                                                                                |
|-------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Product Overview</b> | PSMD14 MS Standard C13 and N15-labeled recombinant protein (NP_005796) with a C-terminal MYC/DDK tag, was expressed in HEK293 cells.                                                                                                                                                                                                                                                           |
| <b>Species</b>          | Human                                                                                                                                                                                                                                                                                                                                                                                          |
| <b>Source</b>           | HEK293                                                                                                                                                                                                                                                                                                                                                                                         |
| <b>Description</b>      | This gene encodes a component of the 26S proteasome. The 26S proteasome is a large multiprotein complex that catalyzes the degradation of ubiquitinated intracellular proteins. The encoded protein is a component of the 19S regulatory cap complex of the 26S proteasome and mediates substrate deubiquitination. A pseudogene of this gene is also located on the long arm of chromosome 2. |
| <b>Molecular Mass</b>   | 34.6 kDa                                                                                                                                                                                                                                                                                                                                                                                       |
| <b>AA Sequence</b>      | MDRLLRLGGGMPGLGQGPPTDAPAVDTAEQVYISSLALLKMLKHGRAGVPMEVMG<br>LMLGEFVDDYTVRVIDVFAMPQSGTGVSVEAVDPVFQAKMLDMLKQTGRPEMVVG<br>WYHSHPGFGCWLSGVDINTQQSFEALSERAVAVVVDPIQSVKGKVVDAFRLINANM<br>MVLGHEPRQTTSNLGHLNKPSIQALIHGLNRHYYSITINYRKNELEQKMLLNHKKSW<br>MEGLTLQDYSEHCKHNESVVKEMLELAKNYNKAVEEEDKMTPEQLAIKNVGKQDPK<br>RHLEEHVDVLMTSNIVQCLAAMLDTVVFKTRTRPLEQKLISEEDLAANDILDYKDDDD<br>KV                    |
| <b>Purity</b>           | > 80% as determined by SDS-PAGE and Coomassie blue staining                                                                                                                                                                                                                                                                                                                                    |

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|-----------------------|--------------------------------------------------------------------------------------------|
| <b>Stability</b>      | Stable for 3 months from receipt of products under proper storage and handling conditions. |
| <b>Storage</b>        | Store at -80 centigrade. Avoid repeated freeze-thaw cycles.                                |
| <b>Concentration</b>  | 50 µg/mL as determined by BCA                                                              |
| <b>Storage Buffer</b> | 100 mM glycine, 25 mM Tris-HCl, pH 7.3.                                                    |

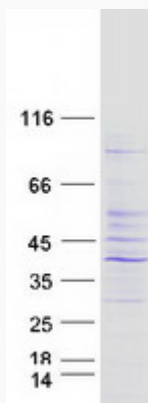
## GENE INFORMATION

|                        |                                                                                                                                                                                                                                          |
|------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Gene Name</b>       | PSMD14 proteasome 26S subunit, non-ATPase 14 [ Homo sapiens (human) ]                                                                                                                                                                    |
| <b>Official Symbol</b> | PSMD14                                                                                                                                                                                                                                   |
| <b>Synonyms</b>        | PSMD14; proteasome (prosome, macropain) 26S subunit, non-ATPase, 14; 26S proteasome non-ATPase regulatory subunit 14; pad1; POH1; Rpn11; 26S proteasome regulatory subunit rpn11; 26S proteasome-associated PAD1 homolog 1; PAD1; RPN11; |
| <b>Gene ID</b>         | 10213                                                                                                                                                                                                                                    |
| <b>mRNA Refseq</b>     | NM_005805                                                                                                                                                                                                                                |
| <b>Protein Refseq</b>  | NP_005796                                                                                                                                                                                                                                |
| <b>MIM</b>             | 607173                                                                                                                                                                                                                                   |
| <b>UniProt ID</b>      | O00487                                                                                                                                                                                                                                   |

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**SDS-PAGE**

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