

## Recombinant Human PSMD6 Protein, Myc/DDK-tagged, C13 and N15-labeled

**Cat. No.** PSMD6-3888H    **Lot. No.** (See product label)

### SPECIFICATION

|                         |                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |
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| <b>Product Overview</b> | PSMD6 MS Standard C13 and N15-labeled recombinant protein (NP_055629) 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 member of the protease subunit S10 family. The encoded protein is a subunit of the 26S proteasome which colocalizes with DNA damage foci and is involved in the ATP-dependent degradation of ubiquitinated proteins. Alternative splicing results in multiple transcript variants                                                                                                                                                           |
| <b>Molecular Mass</b>   | 45.4 kDa                                                                                                                                                                                                                                                                                                                                                                                                                                                        |
| <b>AA Sequence</b>      | MPLNLEEEGLPKNPDLRIAQLRFLLSLPEHRGDAAVRDELMAAVRDNNMAPYYEA<br>LCKSLDWQIDVDLLNKMKKANEDELKRLDEELED AEKNLGESEIRDAMMAKAEYLC<br>RIGDKEGALTAFRKTYDKTVALGHRLDIVFYLLRIGLFYMDNDLITRNTAKSLIEEG<br>GDWDRRNRLKVYQGLYCVAIRDFKQAAELFDTVSTFTSYELMDYKTFVTYTVYVS<br>MIALERPDLREKVIKGAEILEVLHSLPAVRQYLFSLYECRYSVFFQSLAVVEQEMKKD<br>WLFAPHYRYYYVREMRIHAYSQLLSEYRSLTLGYMAEAFGVGVFEFIDQELSRFIAAGR<br>LHCKIDKVNEIVETNRPDSKNWQYQETIKKGDLLLNRVQKLSRVINMTRTRPLEQKLI<br>SEEDLAANDILDYKDDDDKV |
| <b>Purity</b>           | > 80% as determined by SDS-PAGE and Coomassie blue staining                                                                                                                                                                                                                                                                                                                                                                                                     |

 Tel: 1-631-559-9269    1-516-512-3133

 Email: [info@creative-biomart.com](mailto:info@creative-biomart.com)     Fax: 1-631-938-8127

 45-1 Ramsey Road, Shirley, NY 11967, USA

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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.                                                                                                                                                                                                                                                                                                                                                |
| <b>GENE INFORMATION</b> |                                                                                                                                                                                                                                                                                                                                                                                        |
| <b>Gene Name</b>        | PSMD6 proteasome 26S subunit, non-ATPase 6 [ Homo sapiens (human) ]                                                                                                                                                                                                                                                                                                                    |
| <b>Official Symbol</b>  | PSMD6                                                                                                                                                                                                                                                                                                                                                                                  |
| <b>Synonyms</b>         | PSMD6; proteasome (prosome, macropain) 26S subunit, non-ATPase, 6; 26S proteasome non-ATPase regulatory subunit 6; KIAA0107; p44S10; Rpn7; S10; p42A; 26S proteasome regulatory subunit S10; 26S proteasome regulatory subunit RPN7; breast cancer-associated protein SGA-113M; phosphonoformate immuno-associated protein 4; proteasome regulatory particle subunit p44S10; SGA-113M; |
| <b>Gene ID</b>          | 9861                                                                                                                                                                                                                                                                                                                                                                                   |
| <b>mRNA Refseq</b>      | NM_014814                                                                                                                                                                                                                                                                                                                                                                              |
| <b>Protein Refseq</b>   | NP_055629                                                                                                                                                                                                                                                                                                                                                                              |
| <b>MIM</b>              | 617857                                                                                                                                                                                                                                                                                                                                                                                 |
| <b>UniProt ID</b>       | Q15008                                                                                                                                                                                                                                                                                                                                                                                 |

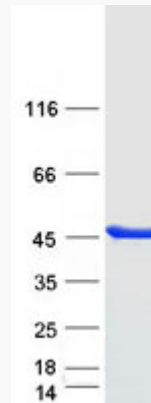
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SDS-PAGE



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