

## Recombinant Human PSMD10 Protein, Myc/DDK-tagged, C13 and N15-labeled

**Cat. No.** PSMD10-2742H    **Lot. No.** (See product label)

### SPECIFICATION

|                         |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |
|-------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Product Overview</b> | PSMD10 MS Standard C13 and N15-labeled recombinant protein (NP_736606) 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 subunit of the PA700/19S complex, which is the regulatory component of the 26S proteasome. The 26S proteasome complex is required for ubiquitin-dependent protein degradation. This protein is a non-ATPase subunit that may be involved in protein-protein interactions. Aberrant expression of this gene may play a role in tumorigenesis. Two transcripts encoding different isoforms have been described. Pseudogenes have been identified on chromosomes 3 and 20. |
| <b>Molecular Mass</b>   | 16 kDa                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |
| <b>AA Sequence</b>      | MEGCVSNLMVCNLAYSGKLEELKESILADKSLATRTDQDSRTALHWACSAGHTEIVE<br>FLLQLGVPVNDKDDAGWSPLHIAASAGRDEIVKALLGKGAQVNAVQNQNGCTPLHYA<br>ASKNRHEIAVMLLEGGANPDAKDHYEATAMHRAAAKDTTRTRPLEQKLISEEDLAAN<br>DILDYKDDDDKV                                                                                                                                                                                                                                                                                         |
| <b>Purity</b>           | > 80% as determined by SDS-PAGE and Coomassie blue staining                                                                                                                                                                                                                                                                                                                                                                                                                                 |
| <b>Stability</b>        | Stable for 3 months from receipt of products under proper storage and handling                                                                                                                                                                                                                                                                                                                                                                                                              |

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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** PSMD10 proteasome 26S subunit, non-ATPase 10 [ Homo sapiens (human) ]

**Official Symbol** PSMD10

**Synonyms** PSMD10; proteasome (prosome, macropain) 26S subunit, non-ATPase, 10; 26S proteasome non-ATPase regulatory subunit 10; gankyrin; p28; ankyrin repeat protein; 26S proteasome regulatory subunit p28; hepatocellular carcinoma-associated protein p28-II; p28(GANK); dJ889N15.2;

**Gene ID** 5716

**mRNA Refseq** NM\_170750

**Protein Refseq** NP\_736606

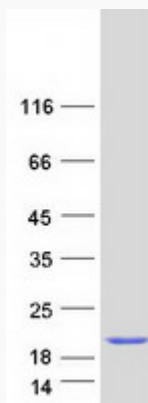
**MIM** 603480

**UniProt ID** O75832

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**SDS-PAGE**

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